

5

SEQUENCE LISTING

<110> Gorlach, Jorn
 An, Yong-Qiang
 10 Hamilton, Carol M.
 Price, Jennifer L.
 Raines, Tracy M.
 Yu, Yang
 Rameaka, Joshua G.
 15 Page, Amy
 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Kricker, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

<120> Expressed Sequences of Arabidopsis
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	ttgcaaccgc	ggcttgctga	acaattggct	cgagcttctc	atctttgttg	tcttcccata	180
	aatcaggtat	tgcttccttt	atgttatgaa	tgctgcttag	tgcatagtca	gcacctggaa	240
	ctagcactga	ttccccca	aacacgggtt	ttagccctgt	tgcttttagca	ctagcgatgt	300
	tacgaatact	gtcatcgaag	aatatcggtt	tgctggtgac	aacaatgtct	gcaatgcgaa	360
20	ttgcagcttc	aaatgcttcn	nnngagggtt	tacagaggat	ttgagtgttt	gaatcagaag	420
	aagggtttag	tggtt					435

<210> 28
 <211> 435

25 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

30 <222> (1) ... (435)
 <223> n = A,T,C or G

<400> 28

35	tttttttttt	ttttttttta	atacaaaaat	tttgttatca	ttgaagtaaa	gttaacaatg	60
	attcgccaaa	caaaaggaac	aaatactagc	agaaatcaga	tgataaataa	cggtcctggg	120
	aaaataacag	aagtccaaaa	aaaattccac	aaagtaaga	aattttatcga	agtgtttcat	180
	caatttcaag	aaaacagaag	agtcgttaat	ctgaatcaat	acatcaatca	agctttcgat	240
	ttcttcctct	tggtatcagc	aactacgggc	ttggccttga	aaggcaaaaa	cgtctctccg	300
	cccataaacg	gctgcagaac	ctcaggaatg	tcgacaccat	cctctcgctg	gtagttctcg	360
40	agaatgcagc	aaatggtnnt	ctctgttgca	gtaagtgtcg	aattcagcat	atgcacatac	420
	tgctttgtct	gtc					435

<210> 29
 <211> 435

45 <212> DNA
 <213> Arabidopsis thaliana

<400> 29

50	tttttttttt	tttttctgaa	actggaataa	agcatagaaa	cgtttcaagt	gtttacaaat	60
	actactgtat	atgacttttg	gagcattgct	caagaaaaat	cacatacaga	tgcatgtaaa	120
	taagaaataa	gagtttcatt	ttcttattct	gaacaatcat	cataagtaat	gtggctgtgc	180
	tctgtacagc	taacaaccgc	gaagagaatg	cttacttgag	atgttcaacg	tcttgcaaaa	240
	atcaaacttc	cccaggaagc	atagtatcta	ccggaccaag	atcacagtag	gcaatgccct	300
	ctccagtgag	gtgtgcaaca	catctcttct	cagccaacag	ttccgcttcc	gacttggcga	360
55	ttcgttggcg	aaggtagtca	tcaatttcta	catccttgac	aagttcataa	tctccatctc	420
	ccttcgacgc	gcatg					435

<210> 30
 <211> 435

60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 30
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tctccacgga gaagaaagcc ctcaccgata tcgagaaatc gtgcggctgc gagtttccgg 120
10 ggtgtgatta catgccttcc gatcgtaaaa actggatggc cggcgttcga cctgaaaagc 180
ttcacatcaa caagatcgtc tggcctggga cgcacgactc tgccaccaac aaaatcggta 240
tccgattcgt gtctcgtccc ttgtctaagt gccaatctct ctccatctat aaccagctcg 300
tggcgggtac tcgagtcctt gacattcgtg tccaagaaga tcgccgtgta tgcacacggg 360
atcctcaaga cttatagtgt cgacgttgctc ttggccgata tcaaacgggt tctatccgaa 420
15 acagagtcgg agatt 435

<210> 31
<211> 435
<212> DNA

20 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(435)

25 <223> n = A,T,C or G

<400> 31
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ctgtttttgt tttgcattaa gcttgatttt gcaattctta gtttctgagc tttgatcggt 120
30 ggtaaaatta ctaattttaag tgtttgtttg tcnnnttagg tccgttcann caacgggctc 180
ttctcacact cgaggagaag agtcttacct acaaaatcca tctgattaac ctctctgaca 240
aaccacagtg gtcagtttct ctcacgccta aacccttaag atcggcttag tttgaacttg 300
tttagccata atctctgaaa ttttacttgt aactggtacg agctttgtgt taaccggaaa 360
ttggattggc ttcattgtgc agcatttgtt taaccggaac ttgaaattgg tggccttggt 420
35 tttatatatg atgca 435

<210> 32
<211> 435
<212> DNA

40 <213> Arabidopsis thaliana

<400> 32
ccacgcgtcc ggtgggtttct gtaatcgccg gtggatgatg cttctaacga tccaaaaaac 60
ggcggcggtt tcttcgcttc tcttgcttca tccatcacca atttcggatc ggccatgagt 120
45 aaatcagtga acggtttgat gggatatgaa gggcttgaag tgattaatcc agaaggaagt 180
acagacgatg cagaggaaga agcagggaga ggaagatgga agcaagagga acgtgatggc 240
tattggaaga tgatgcagaa gtatataggg tctgatgtta catctatggg tactcttctc 300
gtgatcattt ttgaacccat gacaatgttg cagaaaatgg ctgagttgat ggaatactca 360
tatttgctag acatggctga caaaactgaa gatccttaca tgcgtatggg atatgcatca 420
50 tcatgggcta tatct 435

<210> 33
<211> 435
<212> DNA

55 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(435)

60 <223> n = A,T,C or G

5

<400> 33

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tctcagtgc	cgtctcaaga	aagctttcaa	ggagcttgac	acttaccttc	aagaacttct	180
10 agacgagact	cttgacccta	accgccctaa	acaagaaaca	gagagtttca	ttgatctttt	240
gatgcagatc	tacaaagacc	aacctttctc	catcaaattc	actcacgaaa	atgtcaaggc	300
catgatattg	gatattgttg	tgccgggaac	tgacacggcg	gctgcagtgg	tggtatgggc	360
catgacttac	cttattaagt	accctgaagc	aatgaagaaa	gctcaagacg	aagtgaggag	420
tgtgataggt	gacaa					435

15

<210> 34

<211> 435

<212> DNA

<213> Arabidopsis thaliana

20

<400> 34

cttttttttt	tttttttttt	tttagaagca	aatcctctta	taaaaaatca	tgttctttgt	60
ttttctgggtg	ggcacaaaat	taacattttt	ttattcagca	taataatcac	acaacaaaag	120
cgaactctca	ctctctatga	ctcttttatct	tctcgagatt	tgcttacaaa	gcagtagcat	180
25 tttgcggtg	ctctatctgg	agaggttcc	gcaactctgg	atttattgga	aacaaatggc	240
attgtgcgta	ttgcgccatc	aattgatcca	caagaactag	agccaccatt	gcttccacca	300
ttggcacagc	tcgtggaaca	acacaaggat	catgacgacc	acgcgcaatc	atttcggttt	360
ctaccttgtc	tctggttacc	gtattttgct	tccttccaat	tgttgatgtt	ggcttgaagg	420
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30

<210> 35

<211> 435

<212> DNA

<213> Arabidopsis thaliana

35

<400> 35

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ggctttcgtg	tggtggaggg	agaagagtcg	tgatgtttgg	agcttaaccg	gcctggcgga	180
40 tcgggtttga	ttctacgcga	gattgtggat	gaatcggtta	agagtgtgac	ttgtttttga	240
ttagacctct	ctatatcggt	tagcagattc	ttgttctttg	gagcaaata	ggaaaattca	300
atgatttagt	ggaggagagg	gcaatattgt	aaatatattt	gacggtataa	tagagagagt	360
tgacaaaatt	ttgtaatagc	ttttggcttt	gttctatgac	atttgaata	ttaaagtatt	420
tacaacagtt	aatg					435

45

<210> 36

<211> 435

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1) ... (435)

<223> n = A,T,C or G

55

<400> 36

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aaaatggcta	gtacacctgg	agttagttgt	acacttttca	gtgctttggc	gaaggcta	180
60 attaatgtcc	gagctatata	tcaaggttgt	tctgagtaca	atgttactgt	cggtattaaa	240

5 cgtgaagata gcgtaaagmn nntaagagct gtacactcga ggtttttctt gtcaagaaca 300
acattagcaa tgggaatcgt aggaccgggc ttgattgggt caacattact tgaccagctg 360
cgggatcagg ctgctgttct caaacaagaa tttaacattg atctgcgtgt tttgggaatc 420
acgggttcaa agaag 435

10 <210> 37
<211> 435
<212> DNA
<213> Arabidopsis thaliana

15 <400> 37
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ccctttgaat ctggtctcag gtgtgaggcc aacgcattgta tagtgaaacc attcacctcc 120
ttggcaattc tcattgtcac aggcaatcat gtctccaaag gacacctgat ggcagacaca 180
gtaagttggt tcgtttggat cgattggctg ctcttcaatt ggcataaggt ctttccgatt 240
20 gcttcctgga ggaggcatga gctcaaaatc cctgtcacga tcccagctctc tatctctata 300
atcaatcttc ttgggctgag gtgtgccata gaaggactta cgcttttccg ctttaggaac 360
tataggtagt ggaggaagaa cagagggctc gtctgggtgga atttttccct cttgctttaa 420
atcttctgca aaatt 435

25 <210> 38
<211> 435
<212> DNA
<213> Arabidopsis thaliana

30 <400> 38
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ggttgactag aattcaatag cttcatttca catgaacctg aagatctgcg acgacctctt 120
cttttagtat cagatcgtga tgttttccca gacttaccac cttactaac aagagaagaa 180
tccccagtg acatttttga aacacctcca tcatccttgt ccacattctc ttgcttggtc 240
35 accaaatgaa caaccttctc tttatgcacc tcttcattat catcctcatg cccagaatca 300
acatattcat ccccatcatg agaatcaatc gcatcatcat cctcacgac cctatcaact 360
cctcatttgt ttttctcatg accaccttcc ccaagcgtag ctttatactc agcttcatac 420
atcttcaact cattc 435

40 <210> 39
<211> 435
<212> DNA
<213> Arabidopsis thaliana

45 <400> 39
gaaaacacaa atctaccaa tggtataatt tgtttttggt cttgaaggaa gaatgcaagc 60
aaaactggac agaatatata tcaactaaga atgtggaaag acacacgaat cacacaaacc 120
aaataatagt gaacgctctt tgcatttttg cttattcatc tagcttttcc acttttgtgt 180
ttatccaagt gaggaaatgc ttgtagaatg ttataagccc tgagatcttg ccttggttaag 240
50 atccctatca caggtgacat cctgaagct tgaatcttgg gaaccaccag taaatgtctg 300
agaccactg accggaacag aaccaaagct ttagccactg acatacttgg caccactgtg 360
taagggtgtag tgttggtcaa aggatgaaga tcaacataca attgcatctc tgagcttggtg 420
attgcaacat catcg 435

55 <210> 40
<211> 435
<212> DNA
<213> Arabidopsis thaliana

60 <400> 40

5 ttatcttgca agtttcttta gttttatagg gaagggaaag aagggtcata acccattaca 60
 tcacaccata ctagagagta gtaataagag agacatgagc tcaatagatg agcccacatc 120
 aactttttatt catattacat tttgattaaa gaagcttcat tagttggggc agcaagtgca 180
 gttgacgcag ctgcaagagg agccgcactt gcacttgcaa tttgcgttgt tctcctcggc 240
 accaacgtcc atgatcatgg cctccttgta gctctcctga gtctcgacga tgtcgaaggt 300
 10 gtagctgggtt cccttcttta cgcactgggt cttgtcagca cagtcgcagc ttccgcagtt 360
 gcttgacatg attgagtttt tgaaaaggct ttaaaggatg tttagttatg aagtgtttga 420
 cctgccccggg cggcc 435

<210> 41
 15 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<400> 41
 20 gaatttttatt aaacaaaaga tacaagactt aaagcctaca acgattgtgc agcaagaaaa 60
 ttggagccca acaatagccc attagaataa catctacagc aaaaagattc ttaacgttgg 120
 actcttatcc gaaaacacgt gttgacttta gaattcaact gtaacacatg ccgataagtc 180
 atcatcagaa atttaacgac atcaaccttg ccgtcgagaa gcccagaatc cgggtgaagaa 240
 aatatcgtcg aaacatcgca cgaaattttt ttgtttacca ctaaataaac actgaacgga 300
 25 actcctaaag aacacaacat aagggaatgg ttatatgcat cggaatattc ttcaatcttt 360
 caaccaagaa ataaccgctt gatagatttc ctgcaaatcg aggtttccaa aatcacaagc 420
 cagaattatt aattt 435

<210> 42
 30 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)... (435)
 <223> n = A,T,C or G

<400> 42
 40 cttttttttt tttttttttt ctgtgtgaca cgagtgtctga tttgaacata aaaggaaaga 60
 tttgagtttt gtattatgat ctatctcgat tcatctctgt ataacaagtt tattgtatat 120
 ttgacaacaa cacaaatgtg ttgtctgatt agagcttgtg catgataagc tgagcaccga 180
 actgtgggtg aatgggtgatg actgtgtatg gtgcgtgaac atagggaagga gaaatctcaa 240
 acgagaacct ccgcagaatc aatgccattg ccatttttgc cttaacagg gcaaagtctt 300
 45 ggcctatgca tatcctcggg cccacgcaa agggaaagaa ggagacttgg ctctttgttg 360
 ccttnnnnng accatcttta aatctgtcag gattgaactc tgctgcgtcg tttccccaca 420
 gctcgatgct gtgtt 435

<210> 43
 50 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 55 <221> misc_feature
 <222> (1)... (435)
 <223> n = A,T,C or G

<400> 43

5 gaaattcgag ctcggtacct cgagcggccg cccgggcagg tgactagagc agctaggcag 60
 attctgaaag attacattga aggttaagctt ccacattttg caatgcctcc agagataacc 120
 cgagatgatg aaaacgagac agcggatgac actttgggag ccgaaacaag agaaggttca 180
 cagactgaga agaaaggtga agaagtcctt agtcttggtc ttgatcaagt tctagatgat 240
 cttagctcgt ttgatcttgc aaatggactt gtgtcttcca aaacgaaaca gcacaagaag 300
 10 tcacatagga aacaatgatt cggctcttgat ggaacgcca ttctgagagt tttcctgaaa 360
 ccgatcaaca aatgcnnaa tatatgatac agttgtggat ttttcttatt gtagaaatcg 420
 tgataacatt ctaac 435

<210> 44

15 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<400> 44

20 cctctagagc ggccgccctt tttttttttt ttttttaata ataatgtgta tatatattaa 60
 taatgaaaac cttttttttat cttgacagat taaagaagaa gaaaaaaaac agagcattgc 120
 tccaaaattc aatgtgaagg taagtaagta aataaataaa ggtaaaaaga gagagggggg 180
 aaaattaggg accacgacca gagacaaagc agaaacagcc aggtctctga tcttccggga 240
 tcattccacc gcctttgggt gtgtcgacag cttcaagcaa actcacaact tctcccatct 300
 25 ctggctggtt ctccggatta gttcccaac atctcttcat tatggctgcc aatgctgttg 360
 gacaacatct tggaatatcc ggtctcagat tctgacgaac aacagcagaa gaaacatcag 420
 caaagctgag atcag 435

<210> 45

30 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 45

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 actcgtctgtg ttcattcaagt tgttgaatga tgagatagga atatgaaaag ggagaagcat 120
 tgtgttgagg ttttacgatg ctccaaggat ttcacttact cctgtgtttg ctcaagttgaa 180
 aactcaaaac caggcggtat aaacacaatg tcgtcccagt ttgacgtcgt gctttccctc 240
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 45 ttaagtcggt tctgttggct ggacgctcgt attagagatt tttccaagtc ctcttttcta 360
 aagaaaacan nnnnataact catgttttca cttcgtagaa tcaagctctt tgactggaaa 420
 accggaacac catgg 435

<210> 46

50 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

55 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 46

5 tttttttttt ttttgcaaaa ttcaaatact ttgaaattct tagttatata gaggcttaga 60
gagagaagaa atatcactac ttttatccct cgacgtgat caacaatgac ataaacaaca 120
gaacaaacca gtcaggaaaa ttccaagttc attcacataa ccgaaagagc cacctaaaan 180
nncgccccaa acacattact tcgataccat ttcacaacac ccgttttgct agccacggac 240
aaccttggtg aaacccttaa tctttcttct tgtttctcaa cggcccaagt gggatcttgc 300
10 tcaacacctt ctcatccaac actgcatact gcttcttgag ctcgatcatt gctttctcac 360
ctaattgggtc gactttgtct tcatacttgt cgtaggcaag aggaaccgtg aagagcaaca 420
caagagctat gtatg 435

<210> 47
15 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1) ... (435)
<223> n = A,T,C or G

<400> 47
25 gcggccgcca aaaaacgcaa agtctaccac tagacaagaa aatcgaagct tttcactttc 60
tcttttttct gnnntgttgt ctttggttct actctccgca ctgaatcttt cgatcagcga 120
taattgtttc cttcttttgg gattttctcc ttggatggaa ccagctcaat taatgagatg 180
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gtttatgctc atttgtgtct ccagatgctc aaggggatgc actgtttgcg ttgaggatct 300
30 ccttacgtgc attaccgaat cagctaagtg actggaatca gaaccaagtt aatccttgca 360
cttgggtcca agttatttgt gatgacaaaa actttgtcac ttctcttaca ttgtcagata 420
tgaacttctc gggaa 435

<210> 48
35 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<400> 48
40 aatagttaaa actcaagttg atcaatcatc aatagcatgt gagcaataag tgtcaaaaaga 60
gatacacata cacatcaaac cccaacaaaa caaatatatt ctttcattga cactgatttt 120
acatacctc ttcaaggaaa tcatggatca taatgtctat cggcatctaa gcaagtccac 180
ttaacatgtc caaagtgtgt tggcttctac gtctaaagcc gttccccaaa aattcaagat 240
tgattgacgt atagaacagg aacaagtccc gccatcttcc catctcttcc aggcgcttc 300
45 ttctttacgt aaaaccagcc atcaacttca tactctatct ccaattcttc ttctgccgtc 360
aagtttagct catcatctcc tctgtgtgtg aagtcataga gcgctgttcc aaatcttgta 420
ccagtagatt tccta 435

<210> 49
50 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<400> 49
55 aaataaaagt ttgaatctca aaaaaagagc tgaagactaa cccgaatagt ttagcaagca 60
atcctctgtg actgtgaaac ttgtacaaat aaaaaaaaaa actatatata ttgtagaaga 120
acaaatagtg acgatcgatt tgattgaacg ccaagcaatt gatatgtgaa aagaaagacc 180
agtgggtggc taatggttga gatgaccact ctgctctctc ttgtgacaga gcacgagaag 240
accacaggct ctgctattcc ttaattgtac aaacttcatt caccattatc ctgtaacacc 300
60 gttagagaaa acctccaccg gtccaagcag tgtctgattt cccattgtga cctacagatt 360

5 tctttatcgct tgcaggctga taatagaaat catcatcttt agcatcatta tcatcccaac 420
cagcccaacc gccgt 435

<210> 50
<211> 435
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1) ... (435)
<223> n = A,T,C or G

<400> 50
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gttaagctgt taacagataa aaccatatct cctgatttga tctcaagggc ataagtcag 120
ttgctcgaan nnnnctgct agtgagcttc atgccttctt tgaaagcttg attcgtgatc 180
agagtatctg tcggatgatc aaaactctcc cagatcgaag ttccgtcaac ggaaacaaca 240
acgagattcc cggagtcacg cagctcgatt cttgaagcgt ttttgctga attatccaat 300
ctccaaacct cagttccttc catcaccaca tttccgttgt catcgaacac aaacttgctg 360
25 gaattggaaa caggggaagc tctgttcgcg gaccagatca gtttcgtgct gctcttggtg 420
atgatactga gtgtg 435

<210> 51
<211> 435
30 <212> DNA
<213> Arabidopsis thaliana

<400> 51
35 acggggcggcc gccattgtga tgaggactgt aagaaatatt gttaacacag ggccaaccat 60
tgtctgcacg attcatcagc ctagcattga tatttttgag tcatttgacg agcttttggt 120
catgaaacgt ggtggagaac tcatatatgc cggtcactt ggccagaagt cttgtgagct 180
tatcaagtat ttcgagtcaa ttgaaggggt gcaaaagatc aaacctggcc ataatccggc 240
agcatggatg cttgatgtca ctgcttctac cgaggaacac cggcttgagg ttgattttgc 300
tgaaatttac aggaactcaa atctttgtca acgcaacaag gagctgatcg aagtactcag 360
40 caagccaagt aacattgcaa aagaaatcga gtttccaacc agatactctc agtcaactgta 420
tagtcagttt gttgc 435

<210> 52
<211> 434
45 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
50 <222> (1) ... (434)
<223> n = A,T,C or G

<400> 52
55 ttttttttgt aagactcaaa aaccatttaa gcaggatttt ccaacaaaag gctgaaaatg 60
gtttcttaca acaagatata actattacgg taaaataaaa ttaaaagctt gtctgttgct 120
gtcataatcc acttttgctt aaaattaaaa acctttcaac acacaaaact ttacacactc 180
tgttatagag aagacatgta agcaaatgtg gtttctgggt atccctgcca tcatctctca 240
ccaacttcgt cttcttcgtc atcatcttca tcagagtcac cttctttctc ctcttcatct 300
ccatcatcgt ctccatcaaa gtccctcttca tcagcgtcat tggtgaagta ggtgagaggg 360

5 ttggnnnaca aatcttctct gatgatctct gcaacctgct cgtcttgcat ctcatcctca 420
acatcctcct tgtg 434

<210> 53
<211> 434
10 <212> DNA
<213> Arabidopsis thaliana

<400> 53
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aaaaatgggtg atgagaagtg tggatctacg atcagatacc gttactagac cgacagatgc 180
gatgcgagaa gcaatgtgta acgcagaggt ggatgatgac gtcctcggat atgacccaac 240
ggctagacgt cttgaagagg agatggctaa gatgatgggg aaagaggctg ctctgttcgt 300
gccatccggg acaatgggga atctgatcag cgtgatgggt cactgcgacg tgagaggcag 360
20 cgagggtgatt cttggcgaca attgtcacat ccatgtttac gagaatggag ggatatcgac 420
tatcggggga gtgc 434

<210> 54
<211> 434
25 <212> DNA
<213> Arabidopsis thaliana

<400> 54
30 gatgaagatg gacagggtat ttctactttt gttgcagcgc ttgggtatga ctgggccatt 60
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cttcattggg ctgcgttttag tggcagggag gaaactgtcg ctgtgcttgt ctctctaggt 180
gctgatgctg gggcattaac ggatccatct ccagagcttc cattgggtaa aacagcagct 240
gatttggtct acgcaaattg acacagggga atttcgggat ttcttgaga gtcttcctta 300
actagttatc ttgaaaagct aacagtggac tcaaaggaaa atagccctgc caactcttgt 360
35 ggagaaaaag ctgttcaaac agtctctgag cgaaccgctg ctcttatgac ctatggcgat 420
gtaccagaga aact 434

<210> 55
<211> 434
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(434)
<223> n = A,T,C or G

<400> 55
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cgaagatgtc aacattctct tcaagcagct cgtttccaca tgcataccac caaacccctaa 180
catcgatgtc accaagatgt gtgacagagt ccaagagatt cgacttaatc tcatcaagat 240
ttgtggtcta gccgaaggct acttagaaaa ccatttctct tcgatcttga cctcttacca 300
agacaaccca cttcatcatt taaacatttt cccttattac aacaactatt tgaaactcgg 360
55 aaagctcgag ttcgaccncc tcgaacaaaa cctaaatggc tttgtcccaa agagtgtggc 420
tttcattgga tctg 434

<210> 56
<211> 434
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 56

	atTTTTtgaa	acttcttctc	ttttgcggtt	tcgtgttcca	ctcctctctt	cttggcccac	60
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10	cttctttatc	tttaaaatct	ctttagatcg	attcttttgt	ggattcttga	aatctccgga	180
	gaaaaccact	atggagacgg	cgactgaagt	ggccacggtg	gtgtcaactc	cggcggttac	240
	ggttgcggcg	gtggcgacga	ggaagagaga	taagccgtat	aaagggataa	ggatgaggaa	300
	gtgggggaag	tgggtggcgg	agataagaga	gcctaataaa	aggtcaagga	tctggcttgg	360
	ctcttactct	actcctgaag	cggcggcgcg	tgcttacgac	acggcgggtg	tttatctccg	420
15	aggtccttct	gctc					434

<210> 57
 <211> 434
 <212> DNA

20 <213> Arabidopsis thaliana

<400> 57

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	caaaacatta	ttacacgaca	attgaatata	agaggagaga	accaattggg	tttattttta	120
25	catatcgaaa	tagtctctct	acattattga	agagaaaagaa	aaataaaact	gaacatcaac	180
	tttaaaactg	aaaaaaaaac	atttcgaact	tgacttaact	tcagtagacg	aattgcaaata	240
	cttgactatt	tgtttgatcc	atcctctgct	ttctcgacct	tcgtcatgaa	tgtaaccggg	300
	ttcttcgggt	gctcattttac	ggcgaagtta	aaaatatctg	gctttgagta	atgtccaacc	360
	acatcgaagt	ataacttggc	tcttgctata	tcaccaagat	caagatcagc	tgtgacgaga	420
30	ccctctgatt	cata					434

<210> 58
 <211> 434
 <212> DNA

35 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

40

<400> 58

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	aaaaaaagac	acaatctttt	atgttttgtt	ttgttattgg	cctattcttc	cagattttacg	120
45	ttttannnga	agttattttc	caaccattag	gataatttct	acatgaacag	ctcagactgc	180
	agcaacgtgt	aataatttag	agcttcgtct	tcaagctccc	aaaacgcac	accaaaccaca	240
	tctaacaac	tatctccata	aacgtaaccg	tcattagcct	tttcataatt	actctcgcca	300
	aaatctgtgt	tagggatccc	aagttcgtca	tcggaagctt	ccaaaagatg	ctgcatcact	360
	ttctccttgc	tgtcatcttc	cacttcttct	tcctttgagg	aaacacatga	agaaaacgag	420
50	tcttcgacgt	tgga					434

<210> 59
 <211> 434
 <212> DNA

55 <213> Arabidopsis thaliana

<400> 59

	aataataaaa	aactcttctg	aggctttctt	tatcaaaaagt	atcagcacca	atgagtttca	60
	ttcaagacaa	ggatcataat	gactaatatt	attgaaaaag	gaaatgccaa	atttggtgtg	120
60	ttatctaggg	ttggtgttga	ggagacttct	tgagatgtag	ggcttctttg	agcttacgac	180

5 <210> 63
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

15 <400> 63
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 acaatggaag ggaaagagag tcagaaaaca aaaaacaaaa atgaggatac aaaggaacct 180
 gagcgannng atcctgcagc tgaactctac aacttatttg gaatacaata tctatgctgg 240
 20 tggaaataga tagtacaagc ttgatgatgc ttcaaactgc tcttgatgca cgatgccac 300
 cttttctctt attcgagaca gatgtattga cgttgctgaa tgatccgttt ccatttccat 360
 ttaagttctg attagccatg cattgtagct gatcaaaatc acaaccactt aacccttgg 420
 cattgatcga ggca 434

25 <210> 64
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 64
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 ttgtcttcca cagcttccaa gaggtccac cattgaagga tccttcaaca gagacaaagg 180
 actctccaca ccttcattct cattcaacga cccaaagtcc ttaaccact ctggcttatt 240
 35 ctcagcttcc tcccaaagca atctcgagtt caacacaaac ccagaccact ctagtttttg 300
 aggcaaaacc gcagcaacat catctatata aactgcactc ttccccgcac atggcgaatgt 360
 attgaaaata tgccaaccaa tcaactgatc agttgagtta caagcaggac cctgtacagg 420
 taacgaagag ctct 434

40 <210> 65
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 65
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 gttggtcaca attgctttta cagttcttct gtatctactt cgtgatatct ttagacattt 120
 aatcaatcat tacaaaaaca aaccacaaaa tcgaaacttg ctgactcagt gtgattcacc 180
 tgtgcaaaac cccccaatta cccagaatc cgttaagttg gttagtctcg gaaatccaaa 240
 50 tgtggaaatc tcaataaccc gattatgtaa tcgtatgacc cgacttggtc tccgggtcag 300
 gatccgacac aatgccggtg atcgaagact ctgaaaagct tcaacttttt gccgattatt 360
 tttacccttg aggagcaaaa ttccaattca agaacggttt ctgctcgaac ggggtcctgaa 420
 acgactcgac gaaa 434

55 <210> 66
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 66

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aatccagggt ttttttggtt tcatttttaa aagctttgta aataataaca cataatttac 120
aggaattcct gtggcatttg gcaatagaga tgggaaggta aactcatgat gctcaaaaca 180
atgttcctga gcatgacaat ccattgatga atgtgaagaa tccatcaagc aacttggttt 240
ctaagaaaga tgcacaatgt ttgtctgttt tatgcaacgg gaaatgggtta cagattgtta 300
10 gaagcagtc caaagtatca tgtgaggcct ctacttgctc aagtcattt ttgaccaaag 360
taggagaaaa ctatgtggct gaatctgaaa agatgcataa aaaggtaatc tctttctcga 420
gcaaaacctt ctct 434

<210> 67
15 <211> 434
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 67
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atgtgcaaga acagagagta tagagaagat tgtgttctca tcttcgttaa ctgctgcaat 120
ttggagagat aacattggaa ctacagaaaga tgttgatgag aagtgttgga gtgatcttga 180
cttctgtctc aaaaaaaagt tgtggcatgc tcttgccaag acacagtcgc agaaggcagc 240
tngggcatta gccatggatc gtatgggtcaa catgggttcg gttaaccgag gcctcatcgt 300
30 tggaccatca gtggctcaac acaaccgaag accgaccatg tcttacctca aaggagctgc 360
acaaatgtat gagaacggtg tgttagcgta cgtagatgtt gaattttagt cggatgttca 420
cattcgagca ttct 434

<210> 68
35 <211> 434
<212> DNA
<213> Arabidopsis thaliana

<400> 68
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aaacaacacc ttttgttcct tgaaactggt gataggaatc gatggctcta cgatggctct 180
gcgcttgaaa aagccatcta caggtacaat gcttggtggc ttcctttgct tgttaaatac 240
tctgagtcac catcggttag tgaagggtct ttgggtccct ctcttgattg tgaatggatt 300
45 tggcattgtc acaggcttaa tccggtgagg tataattctg actgtgagca attttacggg 360
agagttctcg acaattctgg agttctttct tctgttgatg ggaactgcaa attgaaaact 420
gaagatttgt ggaa 434

<210> 69
50 <211> 434
<212> DNA
<213> Arabidopsis thaliana

<400> 69
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ggagggaaaa agcgtgaga acaaccttta tgttggtgaa ggaatgcaat ttgaccgtgg 120
ttatatctcc ccatactttg tgacagacag tgagaaaatg tctgttgagt atgacaattg 180
caagttgctt cttgttgaca agaaagtaac caatgcaagg gatcttggtg gggttctaga 240
ggatgctgatt agaggcggat acccaatcct cataattgca gaagatattg aacaagaagc 300
60 cttagctact cttgttggtta acaagcttag aggcacactg aagattgcag ctctcaaagc 360

5 tctctggattt ggagagcgca agagccaata ccttgacgat attgccattc taactggagc 420
aactgtgatac agag 434

<210> 70
<211> 434
10 <212> DNA
<213> Arabidopsis thaliana

<400> 70
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ctgtcacagt caagtgtctg tgttcttcca gaagggtgtt gaagaatcct gagttaaaat 120
gttccttggg gaattctctt gaaatccagg ctttgaggaa gtgtttgtt tcagggtttg 180
cagctatttt gcttctctct caggcaggcc agggatagc gttggatctc tcactctggt 240
atcagaacat ttgccaacta gggagtgtg ctgctgtggg agaaaacaag ctgactcttc 300
catctgatgg tgactcggaa tcaatgatga tgatgatgat gagaggcatg actgctaaga 360
20 actttgacct tgttaggtac tctggaagat gggttgagat agcttctctt aagcgtggat 420
ttgcagggtca aggc 434

<210> 71
<211> 434
25 <212> DNA
<213> Arabidopsis thaliana

<400> 71
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ggaaggcccc gacatttgca acaaatacct cggactcaaa tgcgccattt tcccgaac 180
aaagcatctc gactcgcga gcgtccagtt taatgggtta aacttgagag gcaagatagg 240
caagatcctc aagtttagata acttcctcga caagttagaa gaagtcacca tcttccacgc 300
aaactccaac gggttcacag gctctgtgcc tgatttcagc aatttgaaat tcttatacga 360
35 gctcgatcta agcaacaaca aactcacagg agatttccca actagtgtct tgaaaggaaa 420
caatctcacg tttc 434

<210> 72
<211> 433
40 <212> DNA
<213> Arabidopsis thaliana

<400> 72
45 ggtaattttc aaaaggaagt gtagaatcca tgataaacga atgcatagtg aataatcgat 60
gatattctgga agaaaacact ctattgatat cacaatcact caaggtaaag ctctgtgctag 120
aaattggtgc acaagctgaa aacagcttac agagagagcc tgatgaagga aaaaactaga 180
gagagatata aaagctagga gcttgacagt acctccgaaa agccaaactt ctcatggaat 240
ttctttgtgt tacagtccag catttctcta aggctgcagt caatgttgtt ctttttgaca 300
agtttaaac tgcattcgac cttcttcttc aatccatggg gaaagaattc aggataagaa 360
50 gccacttcac ccatgcctct tcccatcacc tggacgagga atctgatcct aggctgtagt 420
gaattcttaa cac 433

<210> 73
<211> 433
55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
60 <222> (1)... (433)

5 <223> n = A,T,C or G

<400> 73

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	ttgtgtttca	gtctcaagct	tctaattnnn	tgacactgaa	taaacaataa	taataaaaca	120
10	tgtacacttt	tgggatattc	atgttttttt	tgtctttctg	agaagaacca	caaactcttct	180
	ttctcctttc	tctatctgct	ctgcttcact	tacttacctt	ttgttctgtt	tttctttttc	240
	tccactgtat	tcactctgct	gcacagcaa	ccgactttcc	tttgttctct	gggtccctcg	300
	cggattctgg	tttctctgct	tccagaaagt	gaagtcggtt	tcgcaaaatc	tcgaggtggg	360
	tttccagaga	ttttctcatt	tcttctagct	tagtctccga	catatttgca	taggcatgag	420
15	agttttcaac	agg					433

<210> 74

<211> 433

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(433)

25 <223> n = A,T,C or G

<400> 74

	ccacgcgtcc	gcataagact	attacttaga	agagaatcga	tcagatatga	ttttagcgc	60
	tcttccaaga	ttccatctct	caatcctcgc	gaaaccttct	ttctctctct	cttcttcgca	120
30	tttcagtttc	ttaaacccta	agccttcggt	aacagtatct	cgaacccttt	tctcattcgc	180
	gtctaaatcg	aatctcgcca	ctgttgaaac	cataccatta	tcggtctcag	attcaaccga	240
	tttgatgat	gcacctgccc	agattgcgct	cgacaagctt	tttattccgc	cggagaccga	300
	tatatccggt	gaagactcgg	cgagtttaac	gacgaggata	cttaagggtt	cgaatattgt	360
	nctgagcaag	tacgcgaggg	acgcacaggt	ggttcaggct	gattatgtga	agagtagtgt	420
35	caagacggag	gat					433

<210> 75

<211> 433

<212> DNA

40 <213> Arabidopsis thaliana

<400> 75

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	gcgactctca	ctgtggagtt	cgatattcag	gcaatctcaa	aagcttccac	gacaaagggtg	120
45	tcaaatttgg	tcacatgac	ggagtataag	caggagcagg	aaatggagat	tgaagctctt	180
	gaagctatac	ttatggatga	gtttaaagaa	attcattcta	gtgaaagtgg	gcttaatact	240
	tcgaatcgat	gctttcagat	tacagtgact	cctcaggatg	atgaactgga	ggaattagca	300
	atcccaccag	ttcagctggc	tttggttttc	tcgcacacag	aaaattaccc	ggacgaggct	360
	ccgcttttgg	atgttaaaag	tattcgagga	atccatgtta	gtgacctcac	catcttgaaa	420
50	gagaagcttg	aac					433

<210> 76

<211> 433

<212> DNA

55 <213> Arabidopsis thaliana

<400> 76

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	ctcttcgacg	atacaacgcc	ggaactgaag	ctacttccgt	cgtctcggtc	ttctcggtccg	120
60	aacactagta	atttacagag	tgtatgcaca	ctggacaagg	tgaaatcagc	tctagagagg	180

5 gcagagagag atcctgctat gttcaagaaa cgtcaatcac cggatgatac ggttttacgat 240
cattatagga cggaggctgt agcgtcaccg gtggttgccg gatgtcctgg ttgtttatcg 300
tacgtgttgg tgatgatgaa taaccgaaa tgtccgagggt gtgataccat tgttcctttg 360
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tggagtttat att 433

10 <210> 77
<211> 433
<212> DNA
<213> Arabidopsis thaliana

15 <400> 77
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gtaaatttgc taagcgggtga agtgtcacgt gccagcccta gtgattcaga ttattcatgg 120
aacgctcttg cgctagatgg tgatagtatt gttgtctgtg ctagcagccc ggcgagtggt 180
20 cctgaaatta agtatggaaa gaaaggctctc gattcagctg ggaagccttc atggctctgg 240
tcgaatatcc aaagcccgat cagatactct gagaagggtta tggcagggct ttcactctct 300
cagtttataaa ttctaaaagt accaattagt gatatttctg aaggctcttg cgaaggagcc 360
aaaaatccta ttgaagctat atatgtatcg tcatccaagt ctaaggagaa tgggaaatgt 420
gatcccttaa ttg 433

25 <210> 78
<211> 433
<212> DNA
<213> Arabidopsis thaliana

30 <400> 78
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tcttcccaat ctccaattta tagcttcccc atagacgaca gccactgttc catgttcttc 120
ccatcaggag cagcaggaga gaagaagcca ttcggaatct gattccctga accatccata 180
35 actttcttgg aaagaggaac caaaaccaca aagccaccac aatcatcatc ctacgcttta 240
aaacctggtc catgtggctc aacccaacca attgaccact ctggatcatc aggttcagga 300
aacaccacat tcccaatctt atcctcttcc cctcctgatc ctgatcctcc tcttccaatc 360
catcctctct tggctcttct cactgatgaa gaggaagaac cagtcttact agtagtagtc 420
ttcttcagtg aag 433

40 <210> 79
<211> 433
<212> DNA
<213> Arabidopsis thaliana

45 <400> 79
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ctacagaaaa gctgctgcaa gagaccatag aaaaacatca agctgaactt acttctcaga 180
50 aagactatta ctcaaacgca ttagctgcag caaaggaagc tcaagcggtta gctgaggagc 240
gtaccaacaa tgaagcgagg tcagagttag agaatcgtct aaaggaggct ggagagcggg 300
aatctatgct agtccaggcg ctggaagaat tgaggcaaac cttaaagcaa aaggagcaac 360
aggcagtgt tagggaagac atgttccgtg gagaaattga ggaccttcaa agacgctatc 420
aggctagtga ggc 433

55 <210> 80
<211> 433
<212> DNA
<213> Arabidopsis thaliana

60

Feature 1000

5 <400> 80
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ggttTgtgtac tttattatgt aaataatgtt tgcaaagaca ctgccaatag atgtaaaatgt 180
gtatttaggt tgtcccgta agggatgctt gcaattcttc aagcgactgt ctttTggttt 240
10 ccggcacgag catccatata aaaagcaatg acaatcctcc caccatcgca aatatgtaaa 300
aggttccttg tgcgctccat tcaaacataa agttgaaacc ataactaacg aaccaccag 360
tggtccacga tgttaatgca acgattgacc ctgctgaaac ttttatattt atcggaata 420
tctcagacat aat 433

15 <210> 81
<211> 433
<212> DNA
<213> Arabidopsis thaliana

20 <400> 81
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aagaggatta atgcaacaat gatggagatc acttgccact ctgcaagca actatttcag 120
ctgcctgtta cggtgatga gagtacgtcg tctcttgta tgagttacgt ttcctcggcg 180
acaactgaag gagaatgcca gtgatccaat gcatcttc atatatatcc gtatgaacaa 240
25 aagaaagcaa ataatgattt taaacgaaat gacggattt tttgtggatc tgtatgagtg 300
atcatttttt actatatgca ttgttttctt ttgccactgc atatttcata taatgactgt 360
aaattttgag aatcatttga atttcgatta taattcttct gcttagtttt aaaaaaaaaa 420
aaaaaaaaaaa aaa 433

30 <210> 82
<211> 433
<212> DNA
<213> Arabidopsis thaliana

35 <400> 82
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ataaaatcct gggaaaacaa aagagaaaag aaaagaaaaa aaccaacat ttcactctat 120
tagctagctg aacaacacag atcaaccact aatcctttta caatgacaaa tacacaaatc 180
tttactcttc taaaattctg tttacttcac catcatcttc tcaggctctc gaagtgaact 240
40 ctctctctct ctctctcaat tagttgctaa tgtaaccgtt gcttcacacg tctccattt 300
aagtcacaac catcagcaa taactcctt cgatgcctg atgatgttaa agagtgtca 360
ctcagcctag ccacatactc caatagctca cttagtaggg acgggcagct ttccttcaga 420
taatcaaacc cat 433

45 <210> 83
<211> 433
<212> DNA
<213> Arabidopsis thaliana

50 <220>
<221> misc_feature
<222> (1) ... (433)
<223> n = A,T,C or G

55 <400> 83
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ttgatttctt ccgcagtggc tcaatctccg gctccagctc cctctaacgt cggaggtaga 120
cggatctcac cggctccttc acctaagaag atgactgctc ctgctcctgc acctgaagtt 180
tctccttctc cttctccggc agccgcattg actccagaat cctctgcttc accaccatcg 240
60 ccgcctctag ctgattctcc taccgctgac tccccggctt tgtctccatc tgcgatctcc 300

5 gattctccga ctgaagctcc tggctctgct nnnngcggcg ccgtttcgaa caaatccgcc 360
agtttcggat ctgtggcggt tatgttaact gctgccgttt tggttatcta ggttggttacg 420
atcaatgaag ctt 433

<210> 84
10 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<400> 84
15 ccacgcgtcc gccatgacca aattctccga gccaatcaga gactcccacg tggcagttct 60
cgcgtttttc cccgttggcg ctcatgccgg tctctcttta gccgtcactc gccgtctcgc 120
cgccgcttct cctccacca tcttttcttt cttcaacacc gcaagatcaa acgcgtcgtt 180
gttctcctct gatcatccc agaacatcaa ggtccacgac gtctctgacg gtgttccgga 240
gggaaccatg ctcggaatc cactggagat ggtcgagctg tttctcgaag cggctccacg 300
20 tattttccgg agcgaaatcg cggcggcaga gatagaagtt ggaaagaaag tgacatgcat 360
gctaacagat gccttcttct ggttcgcagc ggacatagcg gctgagctga acgcgacttg 420
ggttgcccttc tgg 433

<210> 85
25 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<400> 85
30 gcggcccgcca caaacgaagg agaattacat tgacctattg aacaaactga aatgtacaag 60
agaagaaaga taagcgttca ttgacgtata caagcacaca agtcctacag aaacatgagt 120
agtactcaaa tcagaaacca agaactaacc attcaacaca aaatcttctt cttatcattt 180
aaaacggcca gatgtcagat ccaccgggtt tctccacaag aatccgatta tactccggcc 240
tcgacgtcag atctttgaaa ataacgtagg taataagcat gaagagcaca aacaggatct 300
35 caaactcagc taatcggaag aaatagaaca ctgagtcac aaaccgagtc agaagagagt 360
cgtctctcct cataccgact cgattagttc cagcacgtcg ccgatcatc gtcggtaaaa 420
ttctccctcc ggc 433

<210> 86
40 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<220>
45 <221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 86
50 ccaaattgca cgtgcctagg tgcacgccgg cgggcccagc ctattttaaatt ggtgtgattt 60
cctttgttca cattgttcga aagaaacgtt aagcccgtt actattgagc ctcacaaaat 120
cggttctgtt tagattagaa gaaagctgaa ttttcagccg cttaagaggc atggcttgta 180
gtggcaactg aggaacggc tgcgttggat gctgccagca ggtgaaaagt tntcatcct 240
cctcttcaan ncatgactnn ncatactatt tccaccaag aaacaacgac gtcgatatcg 300
55 acacattctc tgaatccac cgatgaggaa agaacttaac acacaagtga tacgcaggct 360
tccttgattt gttgagagt atttttgtat tgatgggagt gcttttatgt ttaaactttt 420
tcatattaat tgt 433

<210> 87
60 <211> 433

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 87

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	gagttccaac	aaaactctat	gatatctcaa	aagccaaaag	aagatgtaac	aaaccagaat	120
	gtacatcaga	cttatatcag	aaactttttc	aagaccaaaa	actcatcaaa	gtttaaaggc	180
	aaaatgcaat	taataacatc	tctctacttc	tttaaaagct	gtaaaagatc	tttttcttca	240
	tcttctcatt	ttctcttgct	taccattttc	atatgttaat	gctgaagaaa	tctcagaagt	300
	tttaatcaca	cgcagcctct	tcaccgaaga	cacaaacatt	tgccatggaa	catctcctac	360
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	taatccagtg	att					433

<210> 88
 <211> 433
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 88

25	cccgaattag	gcttttgctg	atggggccgta	agagattaca	catatacaaa	aacgaagcgg	60
	cctaaaacgg	aaaaaacaag	cgcagtaaaa	tctgaagaag	gcagtacacc	ggaaaacacg	120
	aatctcactt	tccatattcg	atgctaacaa	gatttccttg	cggacaagat	cacaacatca	180
	ggattttgac	cgaagctagt	aaatccggtc	gcaaactgtt	gtcgagaaca	taccgaaccc	240
	agaactttcc	tttcgggaaa	agcagatccg	ccacatctca	gacccatgac	ctcttctccc	300
	aaacctagca	agaagagaga	catcaaaact	aacccttacc	tccctcgaca	atctcccata	360
30	aactacttca	aaagctaaac	caatcttcag	atccggcaaa	gaggaagcca	ataacggcgg	420
	aagctgatgg	aca					433

<210> 89
 <211> 433
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 89

45	ccgccctttt	tttttttttt	ttcaaaccga	tatcaacatt	tatagttcca	atgggattct	60
	tttgatcaat	ttgaaacatt	gctactttcc	gactttccct	tcctnnntac	tttttttgtg	120
	cactatagag	ttagaaacaa	cttctatcat	ctgccagaag	catgatagtg	atgccactct	180
	ctttatccat	ggcttaagnn	ntcagtaacc	tgatgcacct	tacgagactc	tgagcttgag	240
	tactgtccca	cggctcgggc	ataaggaatt	gattgtttcc	cggctgcaag	cgcattcaca	300
	ttttcaacta	aatactgtct	tgggagcctc	cgcaccacat	tacettcttc	gttcccttct	360
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	catttcgtgt	tgt					433

<210> 90
 <211> 433
 55 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 60 <222> (1)...(433)

5 <223> n = A,T,C or G

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10 atgagttagg catggggacc accgggaaca attcaaatta cggaaccaca agaaaccgcg 180
atgacctaag aaggtacacg ggcggatctt cctcaggttc agcagctatt gtagecgtgt 240
gactatgnnn agctgctcta ggaacagatg gtggaggttc cgttcgcatt ccttcagcac 300
tttgtggtat aacgggactg aagacaacat atggtcggac agatatgaca gggtcattat 360
gtgaagggtg aacagtgga ataatgggc cacttgcttc atctctgga gatgccttct 420
15 tgggtgtatgc tgc 433

<210> 91
<211> 433
<212> DNA
20 <213> Arabidopsis thaliana

<400> 91
cctctagagc ggccgccctt ttttttttgt aaaatactca ctttatcatc aaatctttat 60
aattgtacat actaatggat ttaaaaataa gaggagaaat aatttacgac gaaattggat 120
25 ttggaactaa tcaagttttc gaggtccatc catgtttgct tcgctccaac gtattcacca 180
tttttaattt gtgttttaat cttctctgct aagctattag agctatccaa gccattgtca 240
tcaagcctag agacatgctt gagaagaggt ccccatgaaa acacaaaatc ttcaggggat 300
atccaactat ctcccaaaat cactcctcca agatgaagct tcaatttgcc agattgaact 360
gcgtcaataa ccgataaacc gagcttaacc gcgattttgc caccataaga ttcagcaaca 420
30 atgaagagag ggc 433

<210> 92
<211> 433
<212> DNA
35 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(433)
40 <223> n = A,T,C or G

<400> 92
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tgatgacaca agcccgaaac aaaagactta tgtccacttt tctatacaat taacaagaac 120
45 cctaatacag taatacagaa acaatccgat ggtggaaaag aaggtaacct agctttgcta 180
ttttaagaga tgcaaaaaa aaaaaaaaag ttggaagttg acaccacgat ggctcccacc 240
tatgctaaat actttcacaa tcgtgggtta ttaccggtat cagattcatg tctgagcta 300
tactgtcag agccactaga acccgagcct gagccactac tagaactgtt agaactactt 360
gatcctccaa catttacttc ttgtcgaaca gtagatgcca catgacctaa ttcagtaact 420
50 tttgacgatt caa 433

<210> 93
<211> 433
<212> DNA
55 <213> Arabidopsis thaliana

<400> 93
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gttcctactt cttccaagaa atcggaacc gacaccacaa agcgtgtgcc gtgcgagaaa 120
60 ccgcctttct cgggtgggaga tctgaagaaa gcaatccgc cgcattgttt caaacgctca 180

5 atccctcgct ctttctccta ccttatcagt gacatcatta tagcctcatg cttctactac 240
gtcgccacca attacttctc tctcctccct cagcctctct cttacttggc ttggccactc 300
tattgggcct gtcaaggctg tgtcctaact ggtatctggg tcatagccca cgaatgcggt 360
caccacgcat tcagcgacta ccaatggctg gatgacacag ttggtcttat cttccattcc 420
ttcctcctcg tcc 433

10 <210> 94
<211> 433
<212> DNA
<213> Arabidopsis thaliana

15 <400> 94
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ttctccgggt ccaaaacctc cgccatgagc ggcaaaatca tgctaagtgc aatagtaatc 120
ctcttcttcg tcgtcatttt aatgggtctc ctccatcttt acgctcgttg gtatctcctc 180
20 cgtgctcgta gacgtcatct ccgtcgtcgt agccgtaacc gtcgcgctac gatgggtttc 240
ttcacgctg atccttccac cgccgcaact tccgtcgtcg cttcacgtgg acttgatcca 300
aacgttatta aatctcttcc tgttttctact ttctccgacg agactcataa agatccgatc 360
gaatgcgcgc tttgtttatc ggaattcgaa gagagcgaga cgggtcgggt tttgcccaat 420
tgtcaacata ctt 433

25 <210> 95
<211> 433
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

35 <400> 95
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catatggata caatcttggc gtcaagctga agataccgcc agacacactt tcttcggcta 180
40 ttacgggtctc aactttgccc tattttcatt cctcctatt gctctctcta tcgttggact 240
catttacttg agtttactgc cacaacatca tcatccaaca agaggaggga ggggtgcagc 300
tattactgtc tcaagaccag ccattatcaa tagcttcatt ggaattntnt cttgtttcga 360
gatacttgct cttcttttgt tctactctt tcttgcttgg aacttctatg cccgtgtctc 420
taacgacttc aag 433

45 <210> 96
<211> 433
<212> DNA
<213> Arabidopsis thaliana

50 <400> 96
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tgaggaggct aagcgtaaga gaaaagaaga aggaaaaagt agagcttttt tgggaatcag 120
aatcatcatc gatggtgaat ccaaagcgtg gcaatagggt tttcaaatac agaattgtgt 180
55 aaattgctct ctatcttctt ctctttcaaa ttctcttctt tttgttgtat tcaataactt 240
tttccccact ttgatgggct gcaaccacat attcttcttc tatctttaac ttttccacc 300
aaacttctcc ttttttttct ttttttttgg gttctgggtc tgcttttttg ttgtgttgt 360
tgttgaatga aggtccgtaa gggaagaaga cagatgattg cgaaagagca agacgaatac 420
aaattacgcc aac 433

60

5 <210> 97
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 97
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 tagagatggc tccaactcag gatcccaaca gtgtcggagg cggcgcaag aaagatgaag 120
 ctaccttgaa ggttccgtct aaggatccca agaagaagga cgagaaaaag gatgaggatt 180
 tgtctgaaga ggacttggaa ctaaagcaga accttgagct ctatgttgag agggttcagg 240
 15 atcctaatacc ggaattgcag aaggctgccc ttgagagcat gaggcaggaa atccgagctt 300
 caacaagttc catgacttca gttcccaaac cactaaagtt tctgcgtccc cattatggaa 360
 ctcttaaagc gtttcattgaa acaatggctg attctgatct caaaaagtac ctgtccgata 420
 tctgtctgt cct 433

20 <210> 98
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1) ... (433)
 <223> n = A,T,C or G

30 <400> 98
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 cctcttctct cctctcgcgc cgcctatccc ttcttcatcc accgcggcgg attcgtctct 180
 tactctccc ggtgggtggg cttctttata caaactcgct gtttgtgtgc ctggtctctt 240
 35 ccacgctgga attctcctcg aaaactccga ttctcggtta gaacgtgagc taggtcccga 300
 tcaaaacctc gatccgaaac ctactacgac ggatctagct cttaacgacg aagaagttn 360
 naaaccagtt ggatctggnn tagaaacgac ttctgttttg tctctatatg atgatctcta 420
 cacagatact att 433

40 <210> 99
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 99
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 agaacagtga tcacgcccga atgagtaaag aaattgcgga caagagccac cgactaaggc 120
 aaatgagagg agaggaactt caaggacttg acattgaaga gcttcagcag ctagagaagg 180
 cccttgaaac tggtttgacg cgtgtgattg aaacaaagag tgacaagatt atgagtgaga 240
 50 tcagcgaact tcagaaaaag ggaatgcaat tgatggatga gaacaagcgg ttgaggcagc 300
 aagtatgtgt cttaccctct ctgttgataa caaatccctt tcttttgtct accattaacg 360
 tacacactcc taaatttaat cccagttgt ctacaacaca tatgtttgat catactgtga 420
 gataaatgaa taa 433

55 <210> 100
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 100

5 tttttttttt ttttttgaca atgaaacctt gacggctttt atttaacaca acaacaaaga 60
 acaatacaac aacacacaga cagggtcaatc atttgttcaa ggaattattc atgatcttca 120
 agattccaat aactgagaag gaagactact aatcagcttc tgtctcaaga aatcctcata 180
 agcctcaact atgagatgat catcgtecca cttatcacgg aaagtgtctg atttgtgtgc 240
 aagtctgtag tatccgcat ttatttcctg atatctccat tgttcaccgg gcggtgcacc 300
 10 aatttgctct gctatccaat taaggtaatc aacctgacct ccaccaagtc gatgtgtgta 360
 tctcttaggt tgcccgaaag cctcacgctt tgcatagtag gcggtaacgt cttccatcat 420
 tcggacgcgt gg 432

<210> 101
 15 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<400> 101
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 catcaaagtt caaaaaccca tagaaaagca aaccaccga ttaactaaaa aaaaaaaaaa 120
 actcctttct cttttttgtt tttgttttca cttttaagtt tttgcaatga taacaacgat 180
 ttagtttgac taaacaacga taagtaatat aacttagttt gaaataaaag aaagtacttt 240
 taagagtgtg gtagtcttga gaggaaatca aataacaatc ttcatacaagg cttgaactga 300
 25 ttagtgacct gctcctcaac aaactcttca ggctgttcgt tcatcaagtt cttctccac 360
 ttggagtgtg acggatcctt aaaactgttc tctcgttgtt tgtttccgta cgagtacgat 420
 tgctgttcgt ag 432

<210> 102
 30 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<400> 102
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 ttttagataa tgcacacaca aatctcccca cttaatcgaa atcttccaag gctagcttca 120
 gcttagagag ccattctcagc ttgtaaggca gcgagttcat ctctctcagc agtaggttgc 180
 ttctgagctg gagcacgagc aggcttggtt ccttgaggca catggattgg aacaggctga 240
 agaagtgtct cttctagctc agcgcttctt agttcgtcaa gttctgcttc caattcatcc 300
 40 tcatcaaaat cattagcccc aaatggagcc gacaatgctt cttggatctg tttcatgttc 360
 tcagtttggt cattgatctc atccattgtc ttgtcaacat catcaatgtt tgttgctttc 420
 tgcatagctt tc 432

<210> 103
 45 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<400> 103
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 aggtgttctt gttgaggaca agcgacagat cgcaaaacgt tacttgctgt cacatttcat 120
 aatcgacatt cttgctgttc ttccgcttcc acagatggtg attttgatta tcattccaca 180
 tatgagaggt tcatcgtctt tgaacacgaa gaatatgttg aaattcattg ttttcttcca 240
 atatataccg aggtttataa gaatctatcc gctctacaag gaagtgacaa gaacttcagg 300
 55 catactcact gagacagctt gggctggagc tgctttcaat ctcttctct acatgcttgc 360
 tagtcatgtg tttggtgctt tctggtattt gttttctatt gaacgcgaaa cagtgtgctg 420
 gaaacaagct tg 432

<210> 104
 60 <211> 432

5 <212> DNA
<213> Arabidopsis thaliana

<400> 104

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	acatttttct	cttgaaacct	aagaagtcac	cacgattttc	tgtaatttcc	caaaaacaca	120
	gagtttttga	tccatctagc	tagatagctt	cggatcagc	attccttgtc	tctacaaaat	180
	gatactcac	aatgtagaat	tgtcccaggt	ggtacctagc	gacacaccgt	gcttctttat	240
	gatcttcacc	gcctcaagaa	ggacctcttg	ttgtgtattg	tatagctcct	cttttccctg	300
	agacaaatga	agcttcaggt	gtcattgaca	agctttggcc	tggctgtttt	aggatcaatt	360
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	tcagccacta	ct					432

<210> 105
<211> 432

20 <212> DNA
<213> Arabidopsis thaliana

<400> 105

25	ttaactcact	gcgctctgct	ataattgaaa	catttccaga	accaaacagg	cgactactac	60
	tgcggatgct	aaagatgatg	catactatca	cctctcattc	cagtgagaat	cgcatactt	120
	catctgctgt	tgctgcatgc	atgtcccat	tgctcttacg	tcctctattg	gctggagaat	180
	gtgatctaga	aggttttgac	actctaggag	ataactctgc	ccagcttctt	gctgccgcca	240
	atgctgcca	taatgctcaa	gccattgtca	cagccctttt	ggaagactat	gggaatatga	300
	tcaatgatga	aggtcttggg	agatgctcca	cttctactga	ttctcatatt	ggcgacagtg	360
30	ggcctgagaa	ctcaagtgat	gaagaggaaa	tagtggttaa	acatcctgac	ttgcatactc	420
	tggatataga	ag					432

<210> 106
<211> 432

35 <212> DNA
<213> Arabidopsis thaliana

<400> 106

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	ttaatctcgt	gatctctttc	tttttctata	tatggacaga	ggatggtctg	gtctcactct	120
	tgattcatct	tctcttgatc	ttttaaaccc	taatcgtatt	tctcataaga	atcaccgacg	180
	tttctcaaat	cctttggcga	tgtctagaat	tgacgaagaa	gatgatcaga	agacgagaat	240
	atcaaccaac	ggtagtgaat	ttaggttttc	ggtgagtctc	tcaggtattc	gtgatcgtga	300
	agatgaagat	ttttcatctg	gcgttgctgg	agataatgac	cgtgaagtct	ccggcgaaat	360
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	gaagaaggaa	ga					432

<210> 107
<211> 432

50 <212> DNA
<213> Arabidopsis thaliana

<400> 107

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	aagcttcgtc	acccaaatct	cgtcagaatt	cgtgggttct	gctggggaga	cgacgagaaa	120
	cttctcattt	cggattatgt	tcccaatggc	agcctcctct	gtttcttcac	cgccactaag	180
	gcaagctcaa	gctcatcttc	ttcgtcgtca	ttacaaaacc	ctcttacttt	tgaagcacgg	240
	ctcaagatag	caagagggaat	ggctagagga	ctatcttaca	tcaatgagaa	gaaacaagtg	300
	cacggtaaca	tcaagcccaa	taacattctc	ttgaacgctg	agaatgagcc	catcatcacc	360

5 gatttagggc tagaccgcct catgacacca gcgcgtgaat ctcacaccac tggaccaagt 420
tcgagctcac cg 432

<210> 108
<211> 432

10 <212> DNA
<213> Arabidopsis thaliana

<220>
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15 <222> (1)...(432)
<223> n = A,T,C or G

<400> 108
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ttctgggtgat agcaaaaaga tttnnggagt tttctacaag gccaacgaat acgctaccaa 180
gaaccctaac ttccttggct gcgtcgagaa tgccttagga atccgtgact ggcttgaatc 240
ccaaggacat cagtacatcg tcaactgatga caaggaaggc cctgattgcy aacttgataa 300
acatatcccg gatcttcacg tctaatactc cactcccttc caccggcgct atgtaactgc 360
25 tgaaagaatc aagaaagcca aaaacttgaa gcttctcttc acagctggta ttggctcggg 420
tcatattgat ct 432

<210> 109
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30 <212> DNA
<213> Arabidopsis thaliana

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agaagtgatc aggctccata atcacctgt tcaaacttgt cttcagggtg atacactgca 180
acgacttcat ttcttccaaa tttctacca ttcattcccg atcttgccct agtcgagcca 240
tctgtatcgg catacttcaa aaacaccttg ccaaggcctg ccaactggctc accattgggg 300
cttggacgcy gaatcacaa attggtcaaa gcacctgcat ttaagagtt aaagaacaaa 360
40 acatttcgaa tacaagacaa gaaaacacag acaaaaacaa gtcagttttt tcttttaaga 420
aatagtggcc ag 432

<210> 110
<211> 432

45 <212> DNA
<213> Arabidopsis thaliana

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50 aaatacatga aaaaagaaaa cactccat gattatttct gagctcacia gttgtgaaaa 120
tctctactta gtcactgctg tctgaagagg agagtgaatc tcgaccactt ccttagcctc 180
aatttgcttc tctgcaactg cctccgcctt ggagaagctc ccgaatatct tgtccatggg 240
gtttttgaaa caagtcttgt gttcatccat tgaggcatgt atgaattcat ccatgtgatc 300
cttgagggtt gcaaagaaag tggcggtatc atccttcacc ctcttcctgc atgatgatgc 360
55 aggcacttgc ggttttggcg ggttctcggt ttcgattttc ttggtatcca ccacggtttg 420
atttggcggc cg 432

<210> 111
<211> 432

60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 111

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10	gaaagtcaca	agaacacata	gattaaagca	gagaggaccc	atatagtcat	ttgctgggtat	180
	cgaggacaca	acgaaggcaa	gtaccttcgt	gcaatagatc	gaaagcctta	ttgatttctc	240
	ccaaggtcaa	gttgtgtgtt	atgtattcat	ccacttttat	ctccttggtc	atgtactttt	300
	ctacaagcca	aggcacttgg	gttcgactct	tgaaaccacc	aaaagctggt	cctttccaca	360
	cacggccagt	cacgagttgg	aacggacgag	ttgatatctc	ttgtcctgat	gctgcaacac	420
15	caactatgac	cg					432

<210> 112
<211> 432
<212> DNA

20 <213> Arabidopsis thaliana

<400> 112

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25	gacaaaaatc	ctcaataaat	atgaaaatta	cacaaatgtc	atcaaataac	ttgctaattgg	180
	tttgggtccg	atcaggtggg	agtaattgtg	agcttggtga	cccagtagcc	aagttgctca	240
	gcaacacagt	ttgatcctgt	tgacccatag	gaactgaact	tattgactga	attttcaacc	300
	cccaaaaaatc	caaacacatc	ttcttcaaac	acagggctca	gctttttcat	ctcttcaaga	360
	cttaagttct	gaagttcaca	gccttttgag	acgcaaactc	caactagttt	tccaactatg	420
30	tcatgagatg	ac					432

<210> 113
<211> 432
<212> DNA

35 <213> Arabidopsis thaliana

<400> 113

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40	actggaaagt	tgacttggtt	atggacgatc	aagccatata	aaacactctg	ccttggttctg	180
	attgcttgac	tagcttcata	ggtttgactc	gtgcgatata	tactctcaag	aacaaaccca	240
	ggagaagaga	agctttaaaa	aaaaaactct	ttaccgatat	cttgtagcag	agctctgtcc	300
	ttgagttctt	gtagatggat	ggttattgct	cgttttgcca	tactttgcca	attcggtatt	360
	agcatgggaa	agaagcttct	gagcgttttc	cagtctcttg	gtataatcag	tatcagcaag	420
45	tttaaagtac	gc					432

<210> 114
<211> 432
<212> DNA

50 <213> Arabidopsis thaliana

<400> 114

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55	aaaaaaagag	aaaatgatga	gttcgtagag	ttttttatca	gaaacatctt	ctgggtgtttg	180
	ttgtttttta	ctctccttct	tttttcttct	atatgaccaa	agtagtaagt	actaagcatc	240
	atcttctcta	accctagaac	ttgaacctga	cgtcatacca	atcacttggt	tatgcgtaaa	300
	tctttgcaac	tgtatcattc	gcgcgtagat	tccatcagga	tggttcttga	gaagatgcga	360
	atgcgatcct	tggttcagcca	cttttccatc	atcgatgaca	gcgatcacgt	gtgcgttctc	420
60	gcggacgcgt	gg					432

5

<210> 115

<211> 432

<212> DNA

<213> Arabidopsis thaliana

10

<400> 115

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gttcccggcg aagatttcat atctctccgg tatactctcg caccgtggcg atgaaatggg      180
15 taagagaatg gaaggattcg ttagaagcgt cgatgggaag atctctgatg cgtctttctc      240
cgaagcttca tctgcgactc caaaatcgaa ggtgaggaag cacacaattt cagtatttgt      300
tggagacgaa agcggaatga ttaataggat tgcaggagtg ttgcaagga gaggatacaa      360
tattgagagt cttgctgttg gtctgaacag agacaaggct ctattcacca tagtgtctctg      420
tggaactgaa ag                                     432

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20

<210> 116

<211> 432

<212> DNA

<213> Arabidopsis thaliana

25

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<221> misc_feature

<222> (1)...(432)

<223> n = A,T,C or G

30

<400> 116

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tcacacaaga aacaaaaaaa gaagactaat aagaaccaga aacatagatg agaaacatat      180
35 atcctacgat aaannncaaa agaggcatta catctccatt aaacctaaac aatccaagtc      240
cttcttctta gatagtttca gcaatcacag aagccacctc cttcaaaaca tctatcttct      300
gcgacaacaa ctcaagttcc ttagcctcca ccattctcat cttctcttca atcctcttct      360
tagtctcctt agacacctta ctccatttcc acttcacaat acactcatcc acaccaagcc      420
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40

<210> 117

<211> 432

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1)...(432)

<223> n = A,T,C or G

50

<400> 117

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tagccatttt ttaattttaac ttttggccca aataatactt ctgccaaagtc tatacaagaa      180
55 caaaaacttg aactctgtta gagcgggtgag aaatgtcttg atttgaagct gcataatctg      240
tactggttta ctctgtctgg tcaactgacac ggaatagctc gatgagcgtg nntcggattt      300
tgattctcag agcagaggct tcatcgggtc taaaccactt cttgtcgann attcccagggt      360
ctttcctttt cagcctttga ggccgctctt caatgaaccg tttaatgaag aagagcacia      420
acggaccaca at                                     432

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60

5 <210> 118
 <211> 432
 <212> DNA
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10 <220>
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 <222> (1)...(432)
 <223> n = A,T,C or G

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 tctcttgggt tgaagccaaa gaaggaaatg ataatatata catacacaca cacacacaca 120
 aaaatcaaag aaggaagttt tataggatta tatatatagc tagagagtct catttcttgt 180
 atgtttctgt ttaatcttct cttttgtctc ctttttttat cagtatatgt ctgtatgtat 240
 20 ttatatatat agatctgaat atagtttgtc gatttctaac ttatttcgcc tcttcttatt 300
 ctttngnttt ttgctttaag tttnnnttt tgtgtgatga tgaacaaaga catgttactt 360
 caccagcatc agcaaccaca acaagacgag aatatgtcga atctaacatc agcttcggg 420
 gatcaagcaa gt 432

25 <210> 119
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

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 cttactttta tcacaacata aataactata taagaattta tttatcaaag gagctttaat 180
 taaaaagctc aattcacaag tccagggtcg aaactaacgc ccgttgacgg caaccatata 240
 40 ttcccgtcaa taaaactcgc cacagtgaat ttttccgctt ccgtcacctg caaagacgga 300
 tgacaccac tccatttaac ccgaccgaa anngatgatc caggaccgga attnnccat 360
 tctccgtaaa acagagattt gagaccgaaa ccaccgacc aaggagacca acccgacgga 420
 tgaatcgacc cg 432

45 <210> 120
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

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 tttnnngtaa aaagcaacct caaaggctcag aagtaaaatt attgagattt tacagcacag 120
 ttttggtaaa tattaaagca cacggcatca gagattctgc aacacaaaca agaaataaca 180
 tcactaaaaa ccagacacac attggcacta atttctacgc tctctctctc tctaaaccga 240
 60 agataagaga ttctctgcag acaagacaat atagaatatt aattgnntc tctctctcac 300

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 124
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 10 ggttttagtgt agtaaaagca caagcacaag ctcaagttcc atgtttcttt gtttttgggtg 120
 actctttgggt tgacaatgga aacaacaacg gtcttatttc tattgcaaga tccaattact 180
 tcccttacgg tatcgatttc ggcggcccta ccggccggtt ctccaacggc aagactactg 240
 ttgatgtgat cgctgagcta cttggattta atggctacat tcctgcgtac aatactgtga 300
 gtggtcggca aatactctcc ggagttaact acgcttccgc agctgctgga atccgagaag 360
 15 aaaccggctcg acaattggga caaaggataa gcttttagtgg acaagttagg aactaccaga 420
 ccacagtatc gc 432

<210> 125
 <211> 432
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(432)
 <223> n = A,T,C or G
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 tatctaaaac catcgtctcc gcagcttctt cgaagaccat cgacacttcc gttatctctc 180
 caccacaatc tcaaattctc accactcgtc gttcactcct ctccggcgaa accacagctg 240
 tcgaaatcgc aaaatcttac ctttctcgta tccgtctcac tgaacctcag ctcaaagtct 300
 tccttcacgt atcggagaat gttctcaaag atgctcaaga gattgatcaa cgaatcgcta 360
 35 aaggtganna attgggtcct ctcgccggag ttttgatcgg cgtaaggat aatatatgta 420
 ctcaaggtat gc 432

<210> 126
 <211> 431
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 126
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 45 tcgtagaaac tattcaaaac aactcccag ctcttcaactt ccgattccct aacttcagtc 120
 ataaactttt ccatgtcggg ttctccatcg ccatctatga tctgttcttc agttatcaca 180
 atgttcccag ggagctcggg aatcacaaat ggctcagagc ttgaagccac tctcttctgt 240
 ggtttatgca ctccgatgca ataaccagcg cataaagaga agtagccagt gccgtggaac 300
 acaagtcttg gcacattgaa cttctcagca acttttagtgg accaagggaa gaacatgtta 360
 50 ccgacaagac agtctggtct cattgtcacg aggagctcct ctagtggctc ttcgaaatat 420
 ttcattgcga g 431

<210> 127
 <211> 431
 55 <212> DNA
 <213> Arabidopsis thaliana

<400> 127
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 60 cgtaatccga ggaagagatt aaaatcggaa agtgcgaaaa tgccgggtcat ggagaaattg 120

5 aggatgttcg tgggcgagga accagttgtg gctgcttctt gcttaatcgg cgggtgttga 180
ctatTTTTTgc ctgcggttgt gaggcctatt ctgactctc tcgaggcttc caaacaagtt 240
aaagctcttc cacttaccga tgtgattgct ggtgtcacag ggaagaaaca gagttaaAAC 300
aagcaatgac ttccctgtt ttcttacatt cagatgatcc ctattccttt tttgtctttt 360
actctctcta ttcacaatga ataagccaga ctcatttggt tgttatgaaa cttaatatata 420
10 aggcattgtg g 431

<210> 128

<211> 431

<212> DNA

15 <213> Arabidopsis thaliana

<400> 128

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acctccaaat tccgacaaca accgatttcc tgcagagaga gtctctcttt gtttgccttg 120
20 gataggaaac ctacactact ctttgtgatt tgattttggt atctgaattc agagtcttgc 180
ttctgggttt tgggtctgggt tttggaggtt tagtgcttga atctgatgtt ggttcaagat 240
cgtgtggctc ctaagccacc aaaatctcgg atcagagAAC ttcctagtcg ggaccgattc 300
gctgaaccca aaatcctaga tttctcttca tgggttttcg acaatgtcta cagaatcgta 360
atcatcttcc tcttcactcg caccgtcgct gctttcttct tcctctacaa caccaccgac 420
25 actgcttctc t 431

<210> 129

<211> 431

<212> DNA

30 <213> Arabidopsis thaliana

<400> 129

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35 gcttttgatt cttctctctg aagatcaatc attcaaaagc ccattgggtc tctctgcgaa 180
cctcttcttc ttctcttggt gtgaagtctg tcttaatggt gaacgttggt cggatctctt 240
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tgatattcag gtaattagca gccagaatga gttcaaagag agtagcttga tcgatcttca 360
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40 cggccttaga g 431

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<211> 431

<212> DNA

45 <213> Arabidopsis thaliana

<400> 130

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50 tatccaatcg ctggcttggt tctactttg catctctctt ctcattcatca tcaatatcct 180
ttatagcatc ctttgcaagg cttgtcacat atgttccagc caatgcagta accaacagac 240
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gaatgattgc tcgtccaaa gcaccggcgc tgacataagc ccaagagcct ggaagcatac 360
ccaaccagct tcctaataca taaggcacia atttcaccga cgtcaaccca tacaggtaat 420
55 tgccaagaga g 431

<210> 131

<211> 431

<212> DNA

60 <213> Arabidopsis thaliana

5

<400> 131

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tctctcacc	aatctgccgc	cggtagcaac	tccggcaatg	agaatctaga	tcgtcgtctc	180
10 ttaaaagatc	tcgttgagat	ggttccccctt	atcgagcatt	acatggaaca	taaagaaagg	240
agttcgttta	agcggcgtgg	ttccatgata	tacactaaga	tgccttcaaa	agaatccttg	300
tcccgaagg	gaagaaatgc	ttctcaaaca	gtcccaggaa	gaaagaagag	agaccaagag	360
ggaaatgacg	atgttatgaa	caattctagg	gaagatgatg	aaaacgcaaa	ggctttggct	420
ggtgcagaaa	a					431

15

<210> 132
 <211> 431
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20

<400> 132

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tgtttccgaa	ggtatggtcg	gtcaagtga	ggcgcgtaaa	gccgccggtg	taatccttca	180
25 gatgattaga	gaagggaaaa	tcgcgggtcg	ggctattcta	atagcgggtc	aaccggaac	240
gggtaagaca	gcgattgcaa	tgggtatggc	gaaatctctt	ggcttggaaa	ctccttttgc	300
gatgattgca	ggaagtga	ttttctcatt	agagatgtca	aagacagaag	ctttgactca	360
gtcttttctg	aaagcgattg	gtgttaggat	caaagaagag	acagagggtta	ttgaaggaga	420
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30

<210> 133
 <211> 431
 <212> DNA
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35

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 <223> n = A,T,C or G

40

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ggatctgaat	gtgatcgatg	tcgctgattt	gcctctcact	gctgcggagg	gaccggggat	180
45 tgttgaacgg	aagttcgtat	tcccgaatat	acttgccgat	ggtagcccta	ctgtcgacga	240
tttaggtcat	catgctgggt	attacaagct	cccgaatct	cgtggcgcaa	gcatgttcta	300
cttcttcttc	gagtcacgga	acnnnaagga	tgctcctgtt	gtgatttgg	tgacgggagg	360
gcctggatgt	agtagtgagt	tggctgtgtt	ctatgagaat	ggtcctttca	agatcactag	420
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<210> 134
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55

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ttgcataaca	cccttagtgc	caccccaatc	tctccccaag	acggagatta	gaaccctaaa	180
60 tcgattgtgg	catccatggg	agagacaaaa	ggttgagttt	ttcagggtga	gtgatttgtg	240

5 ggattgttat gatgaatgga ggcgttatgg agctagcgtt cctattcatg ttaccaacgg 300
agaatctctt gttcaatact atgttcctta tctctctgcc atccagattt tcacctctca 360
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gttttagcgat t 431

10 <210> 135
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15 <400> 135
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taagttgttaa atattacaga aaaagaaaaa acgtaaaaa aacctacaaa taaacacaca 120
cagaggctac aatacatgac caaaaaagct tctggaggag cttctttctg cctattattc 180
tttccaacat ggtggttaga acaagtatgt atcactaacc ctacaagtct cacattttta 240
20 ccacatatac accacagcaa tccagagacc accaattttt gaggacaatc accgcaattt 300
cttctacatt acggcatagc gcaaacctat attgctgtcc tcgagattga cttaccact 360
ttactcttcc aagctccaag agtctcattg tcagaagtct cagcattctc ttcagcttct 420
cggacgcgtg g 431

25 <210> 136
<211> 431
<212> DNA
<213> Arabidopsis thaliana

30 <400> 136
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taatatatat gtattcttgt agccacatat tgggtaaaca attctcacat agagctaaca 120
aagtcaacga tatccaccac atcatggagc agagagttgg agttcacaaac tctacagttc 180
aatctgattt gtccttgagt tcctgtagtt ggtgtaatgt ttcccatcct attcattgcc 240
35 tccacaaatg cattgaagaa tgtttgtgtg ccatcagcat atgctctcac caaggggatt 300
gtgtcagtggt cattggggct agagaacaac tcttggtcgc tctggataag accttttcgc 360
tctttgagat tcacgtagta tttgttgcg aaaaccgtag gcgtacgtag atcaaaatct 420
accaaggcac t 431

40 <210> 137
<211> 431
<212> DNA
<213> Arabidopsis thaliana

45 <400> 137
tttttttttt tgtttttagat cgtaatttca gatgttggtca tgatttgagt aaattgagaa 60
gcacacaatt tagaacagaa aaagcaacgt gacaaccaga tttcagacga gacattacat 120
atagtacaat gagaagaaac gttttggatc actgagcata gcaagagcca ggtcccaagg 180
ggggtcttcg tgcgtaaaag ttatccactg gagccgctgg aacgccacgg ttattcagta 240
50 gacatctgaa gtagtgtaga cgtggcaatg cggttaacgt tatgttcccc tttgacacgg 300
cctctctggg gctccacatc cgttctgcag ctgctgcagc acgaggccaa atggtctgaa 360
ggacaacgga tgtatcagct gtttcacccc acatgcaaac ttctctccg atgacaagct 420
tttgagagaga a 431

55 <210> 138
<211> 431
<212> DNA
<213> Arabidopsis thaliana

60 <400> 138

5 ccacgcgtcc gcaagcatca ttttcccag aaaactatga attcaaacat tttcccacca 60
 tcgaaacaac aaaacgagct taataatata caacaatcct tctcaaact ccaatctcaa 120
 tgctccaatt tactcctcaa cgtttcacaa acccttaatc ctctcttcaa cgccaacacg 180
 aacaacaaca aacctaatat attctctgct ctcaattcgt ttcgtgatca agctaagcaa 240
 gcttttagatt ctagaatctc tcgattcaat tctggtaagg cacctgtctg ggcgagaatt 300
 10 tctgacgacg gtgggtgggtgc gagggctcag gtgacgggtc cgattcgcgg aagcgggaaa 360
 ggattatctg ctgatgctat tgaggagaga ttggcgggag ttcctgttta cgcgttgagt 420
 aattcgaatg a 431

<210> 139
 15 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<400> 139
 20 tcgagcggcc gcccgggcag gtcccacttg tcatcctcct ccacaacata tagcttgaaa 60
 ccaaaaccct ctacgctttt cggctaaagc tttcgctgac tactacaaca atggcgtcct 120
 catccctttc cctgctact cagcttggtt ctacgagaag tgctttgatg gcgatgtcaa 180
 gtgggttggt tgtgaagcca acgaagatga atcatcaaat ggtagaaaa gagaagattg 240
 gattgagaat tgcttgtaa gcgtcgagta ttccagcaga cagagttcca gatatggaaa 300
 25 agaggagac tttgaatctt cttcttcttg gggctcttcc tctacctact ggctacatgc 360
 ttgtccctta cgtaccttc tttgttctc ctggaaccgg aggtggaggt ggtggtacct 420
 cggccgcgac c 431

<210> 140
 30 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 140
 40 ctggtaaagg tggattcatg aagctgaaac agctaaaatc tctgatcgat gaacannnac 60
 catcagttct ttcagagttt tcttcaagaa aagatgctat tgcttacttg aaacttaagc 120
 tggagcgaag tggcaagttt gttgtggagg gaaagaagat tagtcttgta tcaagcaaga 180
 agtgagcgag aattttttggt ttgaattatc attatacctg cataggaaaag tggagattag 240
 gacaagtttt gttactaaat catcacaatg ccatatgtaa acaaagatca tacttcagtt 300
 45 tggaaaattt tgatttgatt gtaatctatt ttacattct attagagttt gcataaaact 360
 tcaccctaata aagttactct cttatatttg gaaccaatat aaagcaaacg catctttatt 420
 ggtggaagac c 431

<210> 141
 50 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<400> 141
 55 tttggatata aattttttaa agctaaaccg gatatgagat taccggttct tacaaagtca 60
 attacacacc acgaaggttc ttgcaagaca tcatcatttg agatcccat gaaaaaagaa 120
 ggaaggagaa gaaagtacag atgtggttac acaagtagat atatgatatc tcttataatg 180
 gttgtacaaa cacaggtcac aagttagacg caacaaacaa tgctactgca ccaatccag 240
 tcagtcagac ccgggttttt tgggatacct ttagtttacc aagacagggt attttggttt 300
 60 ctcaacttca aagcaatctg aaaacaatat tagacaatct ccagtcctc tctcgacatg 360

5 tgcacaaact cggtaacacc atcctcgaac atcaccgagt gctttcttga atactcatca 420
aaatgtctaa c 431

<210> 142
<211> 431

10 <212> DNA
<213> Arabidopsis thaliana

<400> 142
cttttttttt ttttttttgt cgtcaatcag agtttcatct cttattatta aaaaaaggct 60
15 ccaaactaaa aaactcataa aaagagagcc gtagacgaaa atctcaagct gataaataat 120
ggcttgctcg tctgggcaca agataaccag acgacttggt atacatataa caacacaaaa 180
tagcgatgaa atccaacgtg aggattttca agcttcgctg agagcgagga ctcttggaag 240
tggcttacc ccaagaagct ccaaactagc accgcctccg gtagagatgt ggctcatctt 300
gtctgccaaa ccaaccttct cgacggcagc aacagagtca cctcctccaa tgattgtggt 360
20 tactcccttt ccgcttagtt ctgcaagctg ctttgctacg gcctcagttc cagcagcaaa 420
cttatcgaat t 431

<210> 143
<211> 431

25 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
30 <222> (1)...(431)
<223> n = A,T,C or G

<400> 143
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35 ctataacctt taccaccatg aaacatatan naagtaactt ttaaaccaag aaccaataat 120
agagaacgca tatccatttg cgtgaaaagt gaaaactagg actcatcacc gatgattttc 180
gagcaagatg gtgttttctg tgtgtttcag ggcttctcaa ggaaatgttg tgcgacgata 240
cggcgctgaa tcttaccaga ggcagttttg gggaggttat cagtgatgaa cactctcttt 300
ggcaccttga aagctgccaa attcttctta caaaacgctt taatgtcctc ttcgggttaca 360
40 gtagttcctt ctcttggaat caccgcacag ttaatctctt ccccatattt ctcatcagga 420
acaccgaatg c 431

<210> 144
<211> 431

45 <212> DNA
<213> Arabidopsis thaliana

<400> 144
gcggccgcat tctacagggtg aaatctctca taagttaaag ctacataaga gtcccaaaac 60
50 cccctttttt tttaatatgt atctgtatta aaagcacaaa gcggaagcta tcaatagatc 120
agttttttaa caatggaaac taatctctct ctgtgctgcc tcatttctct gctgaatgta 180
tcaagtttca aagccaagaa aatatctatc tgtgtatgtc ttcactcttc accaacccta 240
ctcttgtggc ggtgttagaa cccactgttc ttcagactcg ttaccattaa ctagcacagc 300
accatccgta gagtcagcgt ccaccacaac agcctcttct tccacattct gctgtctccc 360
55 atcactactc tcttctgac gatcctctc ctctcttctc tctccatctt cccctctctc 420
ccaacctcg t 431

<210> 145
<211> 431

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(431)
 10 <223> n = A,T,C or G

<400> 145
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 cctcctaatt cagagacgac aaaacgctat aaacaacatt tttacagttt ggaggaggaa 120
 15 ggagaaatga taggtttatt aactgagagt agcagcagtc atatggtggt aaatgtggat 180
 gggttgatgc gtccgatacc gatgtctccg gttaatgcgg aggttgagga gatgagatca 240
 gagtcgccgg tggttaatga taaggcgtta gatatttctg atgatgatca tgatgatgag 300
 aatgaaccgc ttattgtttc tggatgaatgt cgtattnnnn ctgatgagtc tcctgttgag 360
 aatcttgaga gcccttgtgc ttgcagtggc agcctaaagt atgctcatag aaaatgtgtt 420
 20 cagcgttggt g 431

<210> 146
 <211> 431
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 146
 tcttacttca agccatgtat tataccctta gaggggtggtg ttgcgtctgg tttcaaaaca 60
 gttgaagaag aggtgtttga gaccgcgtta tatacttgca aaggaaaacg tgcaatccgt 120
 30 ttgaagcagg ttccttttgc ccgctcatca ctgaatcatg atgatgtatt tatcttggac 180
 accgagga aaatctatca gttcaatggt gcaaattcaa acattcagga gagagccaaa 240
 gctttggaag tcgttcagta tttaaaagac aagtatcacg aaggaaactg tgatgttgcg 300
 attgttgatg acgga aaat agatacagaa tcagattctg gtgcattttg ggtcctcttt 360
 ggtgggtttg ctccaatcgg aaggaaagt gccaatgatg atgacattgt cccggagtca 420
 35 actccaccta a 431

<210> 147
 <211> 431
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 147
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 atacaaatct cgtcttcatg agtcttcttc ttcgtccaaa ttgaattttc tccgcacacg 120
 45 agagttgaat tttgattttc ggctgtttat atggtctccg gtcccttagg gttttaattc 180
 ttctgcagat ctctcacgat gagcgttgcg aaatcccaag tatggcagcc atgcaagaag 240
 aagaggtcct cctcctgatt caatagagat ctatctatat atatataaga gaccgagata 300
 tatatataga gagagagatg gcttctcgaa caacgccttc acgatcgact ccttcacgat 360
 caacgccttc tggtagttct tctggttgga ggacacgagt tggtaagtat gagcttggac 420
 50 gaactttggg t 431

<210> 148
 <211> 431
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 148
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 tctcttcttc ttgcagtttt ggtttggaag aaagagaacg aagaagacga catctccaga 120
 60 gtttttggca ataactcttt aagaaaaggg aaagcctttg tgtgattcaa cggcgacatt 180

5 tcaatctcct tcaccaacgg ttccttggag agaaccttct acagtcgccc tgtctctcga 240
 agatgtagat cttgttgacc aatccgcggc tgctgcggcg gtggacgcgg ttgagaagac 300
 aatggccgcc gcaactacca ccgcttggga tgagggtttt ggattggagg aggcgcaaag 360
 acggcatctg agccggctac acgcgagagg tgtgttggg aaacatcctg gtaaagatga 420
 atcctctgct t 431

10 <210> 149
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 149
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 caagagatcg aaattacaaa gcagaataca aatgtaaaga atatataatc tcgaatgaat 120
 catgtctctt ctttatgggtg tgtatcaatc cactcactca ctatacacta aagaatcttg 180
 20 tgaattatca atattcaagc agcagcagca actttctttc cccctgctt gtagtaacca 240
 agataccatc tcacaaactt ctttagacca gtctgcaaat ccgtgcttgg tttgtacca 300
 aactctctct gtgccgaact gatattagca tgtgtgaagg gcacatcacc attcctcggc 360
 agcttcatca tgttctctt ggctttcact ttcaacaatc tctccaatat actcacaaga 420
 tccgtcaccg 430

25 <210> 150
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 150
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 acacgaaacg aaacgaaacc agaaagacat gttcctaaat taccaaacaa ccccttcgct 120
 tcttacatac accatttctc gatgatcaag aagcaaattc atgaatccgt aagccacaca 180
 35 ataataatat taataatcat tactaatat ataaattaaa agatgaaaaa aaaacgtaaa 240
 aaaaaaaatt gaggttcaga ttttgatttg aggagaggaa taatctctct gatcttcttt 300
 tacaacacat caccaaatca aatccatgtc tctccgacca atctctcttc cgatcggagc 360
 ttttgaacca ccacaagttt ttcaacgggt gagatcgaat ttttaatttt ttaaactttg 420
 accattttcg 430

40 <210> 151
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

50 <400> 151
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 aaccacccaa acaactgaga cactaaagct cacatgttta tttctctgta aaatgactct 120
 atcgtgtgaa taagaagact tgatcaaggc tttcataagg tctgaatgtc agaatcattc 180
 55 aaacatgaag gcgcaatttt taccggctga agcataaatc ccgctttcct gcattcttct 240
 tccagaagct tcacctgaga tggaccttca gggcagaaaa ccaccactgc tctccactt 300
 ccagtgaact ttgaagctgc accaaccctc cttgctactt ccaccatctc tatgttcatt 360
 gctnnnnagc attcatcccc aaacatccgc ctccgaatgt cgaaattaag gttcatgagt 420
 tccccaaagt 430

60

5 <210> 152
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 152
 ctgttataaac ttcattctaa gtaccgaccc aaataacaat ctgagtacac aaagtctaaa 60
 gctttttaca aaaaaagtct caaaaggata atgagaatcc ttacagtagt tattatcatc 120
 aagatgatgc gtcttccttc aacctataca acgtgatttc ttgctgcttg aagtatcggc 180
 gatcctcttc atctaccagt acaagattca gataatactt gacgctgaat ttgttggtga 240
 15 tgttgcgatg cgttgggtga agatcatatg gggccagaaa cagtcttaca ggtatcgatt 300
 cacctctaac tggagttcca tccatcaact caaattttgc aagagtttct gtctcgacat 360
 gagtattagc acctgcacct gttgattccc gccgtctgat ctcaagatcc atattcttca 420
 tcttgattct 430

20 <210> 153
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

30 <400> 153
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 aaagtgtgctg aggaatgtgg gtttacatca ctctccatcc gagttgttga ggagttagtg 120
 accttttagtc cttgccctcc ccttaaacc cagaaaattt caaatgctgg gaagcatctc 180
 tctgctgcag agtttcattc ggtcctgcag agtgccaatg ggaagtctga gaataaggaa 240
 35 cttgttttgc ttgacgcgag gaacctgtac gagacacgga ttggaaaatt cgaatcnnna 300
 aatgtggaga cccttgatcc tgaaatcagg caatatagcg atttgccaac ctggattgat 360
 cagaatgccg agaaaatgaa gggcaaaaac gtgctcatgt actgcactgg tggaatcaga 420
 tgtgaaatgg 430

40 <210> 154
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

50 <400> 154
 actcagaccc ggaacgcata aacgcattta gacatgaatt gacgttgcta gaaaaagtc 60
 ggcattccaaa tgttatccag tttgttgag ctgtcactca gaatataccg atgatgattg 120
 tagtcgagta taatccgaaa ggagatttaa gtgtatatct ccaaaagaaa ggacgtcttt 180
 ctccatccaa ggcacttaga tttgctcttg atattgccag aggcattgaac tacttccatg 240
 55 aatnnnaacc ngatccaatc attcactgtg atctaaagcc aaagtgtcag aaatattttg 300
 ctggatagag gagggcaatt aaagatctca ggatttggtg tgataagatt gtcgaaaatt 360
 tcacaagaca aggcgaaagt agcaaaccac aaagcacata tagatctctc taattactac 420
 attgcaccag 430

60 <210> 155

5 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 155
 10 gccattaaat ggggtactga ttatttcac aaagcccatc ctgagcccaa cgtcctttac 60
 ggcgagggtg gagatggcaa caccgaccat tactgttggc agagaccgga agaaatgacg 120
 acggaccgga aagcttacag gatagatccg agtaatcccg ggtcggatct tgccggagaa 180
 acagcagccg ccattggcgc cgcatacaatt gttttccgcc gatctaaccg tgtttactct 240
 aggctactac tcaactcacgc ctatcagttg tttgatttcg ccgacaaata cagaggaaaa 300
 15 tacgacagca gtatcactgt tgcccagaaa tactaccgat ccgtcagcgg ttacaatgac 360
 gagttattgt gggccgctgc gtggctatac caagcttcga acaatcagtt ctacttggac 420
 tacttgggtc 430

<210> 156
 20 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 156
 25 cggccgcgga aacagtttta gccctgctag aacgagctca cgctggacaa gaactagtcg 60
 tagttcgtca ttgcagtctc ctgacagctt aggtgtagac aatttggttg ctttagtgcc 120
 agtacaacaa aatgagactg attctgggtc ccttgagtca ggaccagggt ggcatcttct 180
 tcgcgggctt tacggtaata atcgaaaaag ctggaccaa gtttctgcta agaaggctgt 240
 acttcagtgg gtttcgaggc tgcgaggtcg gcattcagaa actgtaatct atctggatag 300
 30 gaaacggagt gactctgggt gtgatgaaga ttgctcttct agtattgatg gtgaagatgt 360
 ttctatatca cggtttggtt ctgagcttat gcagtcacct ctttctcctt tcattggatc 420
 aaacaacatt 430

<210> 157
 35 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 40 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 157
 45 agaaagtaat gctctggata ttgttcaagc actggaggat ttgggatctg gattggggtt 60
 cgacgggtgt catgatgttg agcattgtct tgctgattct ggtgtcgtca aggatattat 120
 tcgttatata ggagaagcgg aggagattcc tttcgtttat tctcttcccc gtttcccttt 180
 taacagagga aaaagaccag ctccatagctt ttccgatatt ggagtagagc caccagatga 240
 gcataattcct gtttggcttc ctgcgtttcc tgaaaccaag atgtctaacg ggtcagagga 300
 50 gattaatggt gacaaaatag aaagggatgt gcagagtaga gataatggat catctttgat 360
 gagtgtgcag nmntctgtcg atgttgatag gttaaaagt cagaaatcca tggatcaaaa 420
 ggatgttcag 430

<210> 158
 55 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 158

5 ccacgcgtcc ggtgagagac ccgggtgaga gatccggaag aagggtcaaga tcgccggcga 60
cgaatagatc ggtgatggat tcgaatcaga gtagtcgggt ggggtggggca aagactagga 120
agaataatca gtctccgggt cgggttagac tagatccggc taaaaacggg ttggatcagc 180
aacagcatca gaattacgggt tataccacag aggaattggt agagaaccgg cttgtttcgt 240
tagagtgttt catatttctt tgaaaaagaa gaatatttcg atgggaataa tgtctttctca 300
10 tttgacgttg gattcataat tcgtaaagct acttacttaa ttacgttacc tctgtaattc 360
atttctgtgt tgtatttgct gatttaaagt tataattcgg ttgaatgatg taaaaaaaaa 420
aaaaaaaaaa 430

<210> 159
15 <211> 430
<212> DNA
<213> Arabidopsis thaliana

<400> 159

20 gatatttttt ttaaaatttt ttgagaggaa gaaatggaga tttcgcagag agtgaaagct 60
agattagccg ttctcaccgc gcatttggcg gtgtctgata ccgtcggatt ggaacagggtg 120
ttgccggcga tcgcgccatg gtgtacatcg gctcacatta ccgctgcacc tcatggatca 180
ctcaaaggaa acttgacgat cgtcgatgag cgtacgggga agaaatatca ggtccctgtc 240
tcagagcatg gtaccgttaa agccgttgat ctcaagaaga taacgacggg gaaggatgat 300
25 aaggggctga agttgtacga tcctggttac ttgaacacgg ctccggttcg atcttcgatt 360
tgttacatcg acggagatga aggaatctta cgttatcggg gatacccaat tgaagagttg 420
gctgagagca 430

<210> 160
30 <211> 430
<212> DNA
<213> Arabidopsis thaliana

<400> 160

35 ccgcataaac tttaaattca gaaggtgcag ctcaactcta gaatgtgaca aaggtcacaa 60
agcaagagtc tgtaaagtgt actcgatttc caaagcctaa catcaagaat ttagctaaga 120
caatggtttt ttcttctaag agtgcgaaaa atgggttcata aacattctac aatgtgaaaa 180
agcccaaaga gaggaaggat tttaaacctt acggttccaa tcacctccat ttttcgctta 240
gttctttctt ctctgaaagg acccatgtga tgtagatggc tgcaacaagt gctacaatcg 300
40 tgatcaggag aagagcgtag ctgaaatcgt cgggttagtga gtctgtaggtc tttgaaggag 360
caagccttgt gtagaagaga tccactccat aggcaaagac gtgtgttgtt gactctagct 420
tggacggagc 430

<210> 161
45 <211> 430
<212> DNA
<213> Arabidopsis thaliana

<220>
50 <221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 161

55 aaagaagaag agagaaacca tgtcttcgcc gagcaagcgt agagaaatgg atttgatgaa 60
actgatgatg agtgactaca aggtggagat gatcaatgat ggcatgcaag agttctttgt 120
cgaattcagt ggacccaaaag acagtatata tgaggggagg gtgtggaaga taagagttga 180
acttcctgat gcttatcctt ataaatctnc atctgtnnngt ttcattacca aaatatacca 240
ccctaattgtc gatgaaatgt caggttctgt ttgtctagat gttattaacc agacctggag 300
60 cccgatgttc gacctggtga atgtgttcga gacatttctt ccgcaacttc ttctgtatcc 360

5 gaatccgtca gatccattga atggtgaagc agctgcattg atgatgcgtg atcgtcctac 420
ctatgaacag 430

<210> 162
<211> 430
10 <212> DNA
<213> Arabidopsis thaliana

<400> 162
ttacttcac caccggaagg atatcactgg aggatcttac atccaatcct actacgccaa 60
15 agtcgtagcg acccacggat ctgcaaagag tctacctgct tcttgcacct caagtatgaa 120
gcctgatttg tgtttcttcc ctcaatacgt tgctaagacc ttacaaacac cgcttttcgt 180
catcaatgcc gccttcgatt cttggcagat caagaatgta ttggcaccaa cctctgttga 240
taaaagcaaaa gcatggaaga cttgtaagct tgatcttaag aagtgtacgg ccgctcagct 300
tcaaaccggt caaggatata gagaccaagt gttggctgcg ttggcgctg ttcgatccgc 360
20 gacgacgaac ggattgttct tggactcgtg ccatgctcat tgccaagggtg gaagcgctgc 420
cacttgggtcc 430

<210> 163
<211> 430
25 <212> DNA
<213> Arabidopsis thaliana

<400> 163
tttttttttt ttagaaaaac aagagattct atttaattaa tcgtcatgtg tgattgtctg 60
30 ctgattccta gtattatggg aaactgaaaa caatttttac ttatttagtt tcctttgagt 120
gcttcacat gtatactacc tccaccatct cttcattcat tcattgatgt cgcaccgtcg 180
gagataaggg ttgtcgtact caacgtactt ggaccagtac ggtttgact tggcgaatgc 240
taaaccacgc catggcttgt agttcccatt gtaatgcact accgctgcat tctctattgc 300
tgtttggttt agecgtgggt catatcccag ccctagtacg tgccagctcc tatccattgc 360
35 atacgtcagg ttgtaaaatg ttatcagccc cgggtggcaac gatccccacc acgcgtccgc 420
ggacgcgtgg 430

<210> 164
<211> 430
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(430)
<223> n = A,T,C or G

<400> 164
gatgggtctg aaagtgaaga agaaactgaa gagatgatat ttgggagttc tgaagctgca 60
50 aaacagttct tagcagagtt ggaaaaggct tcttctggta tagaggcaca ttctgatgaa 120
gcaaacattt ctaacaatat gtcagatagg attgatggcc agattgtcac cgattctgac 180
gaggatgtag acacagagga tgaagggtgag gagaaaaatgt ttgatactgc agctttggct 240
gcgcttttga aggcagccac tgggtgggtgga agttcagaag gtggcaattt taccataaca 300
tctcaggatg gcacgaagct tttctctatg gatcgacctg ctggtttgag ttcacgttta 360
55 aggnnnttga agcctgcagc agctccacgt gcaaaccgtt ccaacatctt ttccaattct 420
aatgtcacia 430

<210> 165
<211> 430
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 165

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	caagtaaaaa	tacacacatt	gtgtctatta	tggttttact	ctttgatcaa	atcctgcatg	120
10	tggttgcat	aacttcttcc	cggtggaatg	aatattacat	cttcccaacc	tgaattcttc	180
	tcgtcatct	ccattttcct	caacacatct	tccagactcc	caaccataat	ttgttgatct	240
	cctcttgatg	ctctcgtata	tttagaaagt	tccctctcta	tatcttcctt	actgaaatat	300
	acagggcagt	aacgtctatt	ttttttcctc	acaacaagaa	gctcagactg	aaaaaccgga	360
	actccatcaa	acccattctt	atttcctgag	gatttgagct	ctaacgcatt	ctttatttgg	420
15	attggatctg						430

<210> 166
<211> 430
<212> DNA

20 <213> Arabidopsis thaliana

<220>
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<222> (1)...(430)
25 <223> n = A,T,C or G

<400> 166

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	acctaacatc	tccaactctt	tttaatgaaa	tgtaaaacaa	caaacctctg	tggtttctgc	120
30	actaaatata	atagagaaaa	aggtaggcat	gggatcgaga	atgatgtcag	aaatatattt	180
	attctgtctt	ctctcataac	ttgttgatct	tactcaaaaa	gtctgaagcc	gaagcagatt	240
	ccattcctgt	agcagatgca	ctgtccttag	gtgtcactgt	cttagctgct	ttgcctttct	300
	gcagtgcctg	tctttgttga	tcccattgtg	cctanaaatc	agaatgatac	aaacaaacca	360
	aacttgaatg	ggattggggc	gttcgacaaa	gagggcattc	ttgcttctcg	ttgcaccatt	420
35	ccataatgca						430

<210> 167
<211> 430
<212> DNA

40 <213> Arabidopsis thaliana

<400> 167

	aatctgacat	tttttctcgg	gaaatttttt	tatccaaatc	ggagtaaagt	atcgaatcta	60
	gagaatccgc	tatggatgag	acctattttg	atctattgaa	tttctttaag	aatccctctt	120
45	ttacagagac	atttgtcgac	atcttactat	gcgcagttcc	gatttggctc	gccgttatga	180
	tcgggttatt	aatcggatgg	tcttggcgtc	caagatggac	cggtttgatc	tatttagggg	240
	ttcgttctaa	gcttcggttt	ttatggaccg	caccgcctgg	gtttggtgct	cgtcggcttt	300
	ggcttgcttt	caccgccttc	tctgctttct	ccgtttgccg	aaccatctgg	tcaaggaatg	360
	acaccagagc	taataaatcg	gcgaccggtt	cagcttcgtc	gcagacgcct	gttgaggata	420
50	atgatgaatc						430

<210> 168
<211> 430
<212> DNA

55 <213> Arabidopsis thaliana

<400> 168

	agatctcttc	ttattcaa	tcaattgaga	gatactctct	tcttcttctt	tttctctatc	60
	cagttccttc	tgtgcgaagt	tcttctgatt	aatttgagtt	tcttgggaagc	ttttactcga	120
60	tcttcatcgg	atcttagggg	tttgtttaaa	tccagatctt	gggttttggt	aaataatggc	180

5 gactccttat cctggagcga cgcaggtggg ttcgtacttt gtggggcagt attatcaagt 240
gttgcagcag cagccagatc ttattcatca gttttattct gagcctagta gagctattcg 300
tategatggt gattccaccg agactgctaa ttctttgctg catattcata acatggttat 360
gtcactgaat ttcactgcga ttgaagtga gacgattaat tcagtcgagt cgtgggaagg 420
tggtgttctt 430

10 <210> 169
<211> 429
<212> DNA
<213> Arabidopsis thaliana

15 <400> 169
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ccaaaaaaga cagtagaatt caacatcaca acacgaaacc acaacacaa aaatggattc 120
catcatctga ttgatttacc attccctggt tttatgtaca catccttctt gcttttgatt 180
20 atctttcttc aatcgctttc aaagtcgtct tcatctccaa atgagaacac agatgcatca 240
gcccgcataa ccttgaactc actctctgag cttgaagaag cattgacccc agccccagag 300
ggtttttctg ttgcttcacc cttgctcaca gttactcctt gcaccggctg tgatgatcct 360
ttgtttccag aaatagacac tttctctgtc gcttttagtca gaacagcggg ttcattctgcg 420
ctctttttg 429

25 <210> 170
<211> 429
<212> DNA
<213> Arabidopsis thaliana

30 <400> 170
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atcatgagac agagtttcaa aatccattgg agtagttcgt ttccacgtgg agttgaagca 120
gaggaggcca atgcagttgc attcgtcgcc ttggttttgt tccctcctgc agtaattgat 180
35 atgcatttgt cataactagg gtccctgttg actttaacac cagctcctcc aaagctgcaa 240
gcaacgtctg ttgctctgtt ctgttggaag tagctattga acacgaaaga agcatgagaa 300
accaaagtat ctggttgaaa acaaggctgg cttggctgaa tagctgtgca atcaacattt 360
ccaggaccac aagcccaatc caaagcacct ttcagatctc tctctgaagc tttagaagaa 420
gcaatgcac 429

40 <210> 171
<211> 429
<212> DNA
<213> Arabidopsis thaliana

45 <400> 171
ctctttctct ggattcacaa ctccgcgatg ctctatgctt cggtatgtcc cattagttat 60
gatctctaag acgtctccaa tattgacaat gaaagcattt gggaggggtt taacaggaa 120
ccatttccca tctttcttga tttggagacc ttcaacgtca ttcacttgca tcagtacagt 180
50 gaggccgacc gaatcagaat gcgggggttag accaataacc tgatctggtt gtgggcatgg 240
tggttagtaa ttcattcctca tactttgaac cgaatcaaca tcatcaaaca acttttccag 300
ttcctctggt ttgatctcta gggctcttgc cattttcgct attaagatct tagctacgt 360
ctgcacttca gaagaatata tctccagtgt atctctaaag ggaagaggta gcttggggaa 420
caagtgagg 429

55 <210> 172
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 172
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ctagcttgta aaggttacat tagatatgtc cttaaacttt tctttaatcg ctgcctgtat 120
tcccattcca atcgactccg gtccaacata ttttacaacg cagtcctcgc cttcaaccga 180
taaaacttca acacttccgc catagtctct gatagctggc ctcagtatat ctagatgagc 240
10 attcactgcc tccacgggta tctgttttac ttcttcatca aaaacttgtc gaatatcttt 300
caatgcctct ccaaactttt ccttgagtac cctctctatt cccattgtca tagttgttga 360
agaacttgga cagctgggtac atgctccttg gagcttaaga gagactaccc catcttcaac 420
ggagacaac 429

15 <210> 173
<211> 429
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)... (429)
<223> n = A,T,C or G

25 <400> 173
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ctacgacaac gtgtttggcc aagactctga catcatcaca tctattacct tcaatacatt 120
caagggaaaa acatctcccc cctatggatt ggaaacgcaa aagaagtttg tactgaaaga 180
caaaaacggt ggcaaaacttg ttgggttcca tggacgcgct ggcgaaagtc tatatgctct 240
30 tggagcatat tttgctacaa ccacaactcc tgtgactcct gccaaaaaac tatctgcaat 300
tgggtggcgt gaaggaactg catgggacga tgggtgcgtac gatgggtgtca agnnngtgta 360
cgtaggacaa ggccaagatg ggatatcagc cgtaagttt gagtacaaca aaggcgcgga 420
gaatatcgt 429

35 <210> 174
<211> 429
<212> DNA
<213> Arabidopsis thaliana

40 <220>
<221> misc_feature
<222> (1)... (429)
<223> n = A,T,C or G

45 <400> 174
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cctaagagag agctcaagtt tgcattggag tctttctggg atggcaagag cagtgcctgat 120
gatttgacga aggtgtctgc tgatctcagg tctgatatct ggaaacagat gtcctgctgct 180
gggattaagt atatcccaag caacaccttt tctcattatg accaggtgct tgacaccacc 240
50 gccatgcttg gtgctgttcc atctagatat ggatttacca gtggtgagat cggctctcgat 300
gtttacttct ccatggctag aggaaatgcc tcnnttcag ctatggagat gaccaagtgg 360
tttgacacca actaccatta catcgtccca gagttgggccc ctgaagtga attttcttac 420
gcattctcac 429

55 <210> 175
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60 <400> 175

5 gcaaatctac tcgtacttgt atctgttctc ggactctctc gtttatgtac ctcagaagac 420
atagtctcg 429

<210> 179
<211> 429

10 <212> DNA
<213> Arabidopsis thaliana

<400> 179
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15 ccttcactca ttgacaagta catgaacaag gagattatga tcgatgaatt tattacgcat 120
aacctgtcat ttgatgaaat caacaaagct tttgttctta tgagagaagg aaaatgtttg 180
cgttgtgttc ttcacatgcc aaagtaatgt ctcggaacac acatgtcaca gattcaagaa 240
agattaacga gagctctgta tattctacag ctgagttggt gtataaaaca aaagtgatgg 300
ttttctatag agttatgaga cttttttttt tcttttggtt tgttgtgaag tgatcggtca 360
20 tacattataa agatggattc tcacatgatg aatcaaacga gttcctagaa aaaaaaaaaa 420
aaaaaaaaa 429

<210> 180
<211> 429

25 <212> DNA
<213> Arabidopsis thaliana

<400> 180
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30 aagaaagtgg caacggatga atttgtatta cacaaccagt actggggaaa gaacattcga 120
cggagaaaagc ttaagaagca ttatatcagg agtgttggtt gtggctggat cgccacttaa 180
ttcactaagt ctgctcatg ctttgtatca aagtgtgtga ggatattctt ttaactcgga 240
acttattact taatttgatg ttaaactctt ttcccgctta agttttcagc aatctggaat 300
atgaagggaa ttatgtattc ttatcagtct tttgatgaag tgaggtctac ttctgggatt 360
35 atggatttgg tgaataatgt attccttaga acggtgttaa ggaattgttt cacatgggtg 420
tgaattgag 429

<210> 181
<211> 429

40 <212> DNA
<213> Arabidopsis thaliana

<400> 181
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45 ttgagaatac ttaaatacaa aggtggagac ttagctaaaa ccctagagac attggacaga 120
tgtcatacat caagttgagt cttctgaatc aagggttgag aaacgattct cgagctttac 180
gttgaactgc tttgccgtac aagaggtcgt tgtctcctta ttgccagctc cacttttgtc 240
attacttgag gaagattcta gactctgttt acttgaaaca gatgaccgtt gcctccactt 300
ctgcttcttg ggcttggttt gtgcgaggcc catctgtttc attttccctt ttgctccatt 360
50 agccgaaacg acaacgtatt gtcgtttgcc agagaaaagc tctgctctta cctgtattgt 420
gttgatact 429

<210> 182
<211> 429

55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature

60 <222> (1)...(429)

5 <223> n = A,T,C or G

<400> 182
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ggagctaatt gagttgcctg gttatacgca agaggaaaaa cttaagatag ctatgcgcca 120
10 tctgattcct cgagttctag atcagcatgg gcttagttcc gagttcctca agattccaga 180
ggctatggta aagaatataa ttcagaggta tacaaggga gccgggtgttc gtagtctaga 240
gaggaacttn nctgcttttag ctctgtgcagc tgctgtgatg gtggcagagc atgaacaaaag 300
tcttccgttg agcaaagatg tgcagaaact tacatctcct ctgcttaatg gtagaatggc 360
cgaaggaggc gaagtggaaa tggaagttat tccaatgggt gtaaataatg atgagattgg 420
15 aggcacctt 429

<210> 183

<211> 429

<212> DNA

20 <213> Arabidopsis thaliana

<400> 183
tgtttatgag ttcgctgcat ttttcaacgg gcatgtgttt gttaatgaaa aggggtgctca 60
gtttaaggct atagttgaat atgcaccttc tcagcgtgtt ccgaaaccga gtgataagaa 120
25 agatcctcgt gaagggtcta ttagtaaaga tcctgattat cttgagtttc ttaagggtgat 180
tgcacaacct gttgagaatc ttcctagtgc tgaaatccag ttggaaagaa gagaagctga 240
gcagtctggt gcttcaaaaag cggctcccat tgttacacct cttatggaat tcatacgtca 300
aaaacgtgcc actgtgatgg gacccaggg tttatctgat attcgaagag gaggtagaag 360
aaccagagta gtctctgcaa acaagccgag tccaaggccc tcgaaacgta actctgaaaa 420
30 gaaaaagta 429

<210> 184

<211> 429

<212> DNA

35 <213> Arabidopsis thaliana

<400> 184
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tgtttcatgt tcttcgacaa ttcattgagac ttgcgagtag atgaaaacca gtagtttgat 120
40 cgggggtcttg ttcataccat ataagtcatt ccaacttgca tcaaatgtgt atgcggaacg 180
cttaggtttg ttatccctct cctggagttc ttcttcaaga aagcatacaa gtaattttatt 240
accagcttct tcagaaacca agaactctta gttagcctta tgtcccatg tcccagtaga 300
tacaccacc ctgactcttt cgctttgtgt ataaacgaca attctttttc tagactctgc 360
tccacatcca acgccgatga aggacctgcc ccaaaatcta tgctggcctt tcttctctcc 420
45 atgggtcgc 429

<210> 185

<211> 429

<212> DNA

50 <213> Arabidopsis thaliana

<400> 185
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ggagcttggt tcttggtcgt acagtgtcag gtgaatagag aagaagaaga tggaaaacac 120
55 agacgagctt gtctccattg agctaccagc tccagcttca tggaagaaac tgttttatcc 180
gaaaagagcc ggtactccga gaaagacgga gattgtgttt gtggctcaa cgggtgaaga 240
gattagctcg cggaagcagt tggagcagta cctgaaggcc catcctggca atcctgtcat 300
ctctgagttt gagtggacaa ctggggaaac tccaaggagg tcttcaagga tcagccaaaa 360
ggttaaggct acaacgccta ctctgacaa agagccctc ctgaagaaga gacgatcttc 420
60 tctcacgaa 429

5
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 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

10
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 <222> (1)...(429)
 <223> n = A,T,C or G

15
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 nnnnnnattg ggacccgaag caaacattga actaacttcg cctcctaaca ctcacctctt 120
 caacactcat agaatccaag gtgatcaacg acaaagcttt ctcaagaaca caagggttta 180
 20 tcgtgggatt cacggatata cgactccaaa tttaaaccct tgacatcttg agagtgtgta 240
 gtcccacgaa tgaccgaaag ggcattcaga gggccttctt ttgttgagc cgcccgcccc 300
 accaccacgc cgtgggtacta ataccacatt gttgcatggc cacttttatg ccattcttgt 360
 ctttcatgac acacctcgcc ccaacactag aggcgatcgt tctttccacc aaaagaggag 420
 atcccaggt 429

25
 <210> 187
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 187
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 ccatggccgc ctctgtaagg agcttcacgc acgaagggtg ggtagcggc tgacacggga 120
 gtgggcgcct ttcttctccg gtggtgtgtg gtgtggtgga tctatgggtt caatgcgaat 180
 35 tgggtggctct cctcacagca gccatgagat gatgttcctc cttgtctgct ggtcatggac 240
 gctagcggat tggaaatggat tctttaggct cgacagcttg tgagctgtag ctccggtgag 300
 cggcagaagt cggactgtag atcgggtgggt ttcacctctt tgcgacgaga ttaacagtgg 360
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 gatggctt 428

40
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 <211> 428
 <212> DNA
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45
 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

50
 <400> 188
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 caaaaattca cacttaagga ttttgttttc atcttggtac cgtagctagc tagtaccata 120
 aaaagtttta ctgattaccc gtaaaactat taatttttct actttgacat gtttagcatt 180
 55 tattccctga caatccgata acatttttgg atagatcgta agtgatacgt gtcccttgct 240
 gctgcacatt cccgatgatc gacaacgacg acgacgtcgg agcaaaaagcg aannaaacgt 300
 tccactatca tccacaggga tcagataatt cttcgccggc aaatcaagcg acttccctcc 360
 cgtgaaatga aacgcaaccg tcggtacttt cacagtggag agagacgaga aatcgtaaca 420
 cgtgtcga 428

60

5 <210> 189
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

15 <400> 189
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 cacacattat agacaaanaa gtaaagcaaa tcacatgtca acgtccaaag cattggaacc 120
 agagacagta tgtgtggttg tgcacccgac acataatccc caacctctta ctgaccggaa 180
 agaaaaataa ctacctgatc caccgacaat tttaactcct ggcaacattc aagcagcgga 240
 20 cgggtgcggtc acgtagttag gccggccagc ttcagtaaga gcggtgatga acggcttcag 300
 attcacgaga tcgacctctg tgtccacaac ggtaacaggt ttcttgtaat ccaaggattc 360
 gtcgtcgtaa atgtncacc attttttcac taacattttt atatcttccc tctccatgtt 420
 cgcttctt 428

25 <210> 190
 <211> 428
 <212> DNA
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30 <400> 190
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 ttacaaaatt gcaatagaaa agagctcaaa aaccaaacia gaaattattt caagaaacia 120
 aagatccttc tcatgaggga tgatgattat aatttagtaa gctctggagt tagatttgct 180
 gcaaaccctc ctgatctctc cgacgcgatc ttcaccagtg agaacaccaa cgttgaccag 240
 35 cttagccatc gacacagcaa actgctgtct gaatatctga ggtgattgct ctgcgaaagt 300
 ctttacaagc ggacagtcc tgggtcctta acaagctcct gatcagtcga caaaactccc 360
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 agatcgac 428

40 <210> 191
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 <212> DNA
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45 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

50 <400> 191
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 ctgaggctct ctttccttca actgccatag agaccagaga tatggaaacc aacaagtaca 180
 tctatagtct taatgatgtc ttacatgaca aagaaattct gaagtagcgg cttgagaggt 240
 55 catatgaaat taagtaacct aagaacgaca catgtttatg ggatccattt tgcatgnnnt 300
 attcgcaatc aagcacagaa caccagtaga ccagctaaat ttcgtaacca agactaagaa 360
 aaactagcaa aataggcaca actcaaaagt aatcaacact tctaatttct aactagttca 420
 aaacagta 428

60 <210> 192

5 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 192
 10 aaatcgtaat acatatatac acaaaagtga ataattcaga tggtttggta caaagttggt 60
 tttttaagga tgttgggtta catcaaagca tggaaactact taaatagttt tggaaacaca 120
 agacatgaat gaaaagagaa gaaagctggt gctgaatcgt gattgagaga aagtagagag 180
 agctacaacg cttacaacaa actactacta gtcagcagtc cagctttgct caacaacatc 240
 acgcactctc ctgttggtact cgcgcttgct ttcgctgtac atccgagcag cttccgagtt 300
 15 tgcaggagaa ttcggattag ggtcacagag caaggactgg atggaggtaa gtatagcagc 360
 aacatcatag attggactcc actgggtttg tagaatgtcc aagcagatac tcccatctgc 420
 ataaatat 428

<210> 193
 20 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 193
 25 tttttttttt aagaatccaa actaggacca aactcattat aatatttttg tgaagacatt 60
 acagttttttt ttaactaaaa ccaaaagaaa tcgaatacca acaccttata gatacaattt 120
 tcatcaaccc acttttgggt tttttctttg tatgtcgttt tctattgggt tatttattgt 180
 tcagattaaa accacactcg aaacaagtac tttgcgtcat gaaagtttat cagcagagat 240
 tctaactcgg taattaatta accgcagagc aaaccctacg gatttcccca ttagctccgg 300
 30 taaccacacc gatattactc attctgacca ttgacctcgc aaactcaacg ttgaagggtgc 360
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 gatcggat 428

<210> 194
 35 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 40 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

<400> 194
 45 tttttttttt ttttttttaa agtgacaaat acaaagtgtg ccatatccta aaccagaaac 60
 cacactacac ataattcata gcagagttta agatacagaa tcagagaatg attcagacaa 120
 ataaggacaa catcaacaac aaaaagaaan naaaaacaga aaaataagcc tttttgcacc 180
 agaactcaaa aagtcgaact tgaacctggc aattgtcaat aacagttgca aaagctgaat 240
 ctcatgtttc ccaaaccaaa ggatttcaat ttgtactact gtataccttt ttcaggcaaa 300
 50 tttgaatcca ccaacgggag cagcgggatt gttcccaaaa ttgaaagcct gttgtgaatt 360
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<400> 195

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gttcgcaccg gtccgatatg cccgccggat atccaatacg ggtcctagtg caatggccat 180
gttccttggc gtttctggtg cctttgcttg gggaatgtac caggtcggcc agggaaacaa 240
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10 tcaagcagaa gaagatgaaa ggtttgtgtc tgagtggaaa aagtatctgg aatatgaggc 360
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ctggatgc 428

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15 <211> 428
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tactacagtg ataggtttga taatgtaatt agttaattaa ttgctctaatacagaaactt 180
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25 ccttgacgga gttttctctg gacaaagcgg tggttgtcgt cggagtcagc cttgctgcgt 360
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caanaagcaa agagtagtaa actgattatt ttacatatga ttcaacacca annngaagaa 180
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caaaggcttg tccgatcgcc agtccaaaca aactccggg tccatagcct atcgagctg 300
45 ctttccagtt caatgcgtgt tcttgcttag gtagttcttg ctcttctgtc tgtgggtgtg 360
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tatagcttca caacacttac acttgacgat agaattgtta gtctcttgca cacaaattaa 180
atgaatcaaa tagatccatc gctataggat ctatgcaatt tactcagagt ttgtggggaa 240
gctaattcta tatgtcaaaa gagatgaaca tcttcttatt tttctctttt acttctgttg 300
60 ttgttccgcc attgccttaa gcttttcttc caaaatgtct ttctcaagac cgtacattct 360

5 gttcaaagca tgcataattct caaggggtctc gctcagcggt ctactgtcac ttccggtcaca 420
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10 <212> DNA
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tggtcgtatt tacgtgatcg atacgaaaac aaaccgagg gaaccatctt tgcacaaatt 240
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aaacagtc 428

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tgggtcctcc ttcttcagct atgggtgacta tggcttcttc accagtgtcc agatttggtg 180
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cttaccctct ctttcgcagt cagcatacta aagactcatc aagacccaaa aattacaaag 360
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gtgaaatt 428

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5 <223> n = A,T,C or G

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10	taaaagatgt	tgattttctct	gaacccaaaa	gctattaaaa	aaactccatg	aagtttcctt	180
	ctctaactct	gtagagcggc	ttgagcaatc	tcgagagctt	cttcgactga	agatgcgctt	240
	gcgngtttag	ccttatcgac	aagtggttgg	cttcttgcta	gctttggtag	aagctggaac	300
	tcctcaggcg	atccgctttc	tactagaaca	cctttcaacc	tgccagattc	aatccagaag	360
	gtagcgattt	tcgggtcaaa	gttcccaacc	tccactgttt	ctcccacatt	atctccgaaa	420
15	aactgccca						428

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<211> 428

<212> DNA

20 <213> Arabidopsis thaliana

<400> 203

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25	gagggctccg	agcattatth	tgtacctctt	tcagcaactg	gcttttcccg	ttttccatca	180
	gaaaccaaag	ccctgcctct	cagagggtcg	agagcactta	cctctctgag	cgagccttcg	240
	tttcttgaac	ccaatgttcc	cgatagcttt	gcaccaagca	agtacagcga	tatacctgac	300
	acgtatgatg	atcttgattc	attcaaagat	tacgataatg	ggaacggggt	tctgtcgggt	360
	gctggatcaa	acagtgtagc	ttctgatgca	caacaatcat	tttacgatat	tgatgatcaa	420
30	gtatttttc						428

<210> 204

<211> 428

<212> DNA

35 <213> Arabidopsis thaliana

<400> 204

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40	aatccaagat	tctcggtttc	cgaaacacct	aaaccgggtc	caatcatcac	tcccgttaaa	180
	gccagtgcag	ttcaaactgt	gatcagatgc	gcacagctgc	atggaattca	tgtaaggact	240
	cggagcgccg	gtcactgcta	cgaagggtct	tcttacattg	cgtacaacaa	accattcgct	300
	gtcatcgatt	taaggaatct	tcgggtctata	tcattagacg	ttgataaccg	gacaggttgg	360
	gtccaaaccg	gagcaacggc	tggggaattg	tattatgaga	ttgggaaaac	caccaaattc	420
45	cttgcttt						428

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<211> 428

<212> DNA

50 <213> Arabidopsis thaliana

<400> 205

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55	gatgccttcc	gacacctttt	cggtacaaga	atcgctcttg	cttaccagaa	ggaggttaata	180
	tactactaaat	tatatttgtc	tgagtttcca	tgagattttt	gattatttgt	ttttattgtt	240
	tttggataga	tgaagctact	tggacagatg	ctttactatg	ttcttacgac	aggttcaggg	300
	caacaaactt	taggagagga	atattgtgac	attatacagg	ttgcagggcc	ttatggactc	360
	tctcctacac	cagctagacg	tgctttgttc	atattgtacc	agaccgcagt	tccatatatc	420
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 gtgtttctcc tgggtgtatat gctgtgaagc cgattgatct tctgttaaaa ggacgaactc 180
 15 atcgaagtag aagatgtgta gctcctgtga aaaggagaat tggatgtatc aaagcgggtg 240
 ctgctccagt tgcaccgcct tcagctgaca gtgcagaaga cagggaacag ttagcagaaa 300
 gctatggatt cagacaaatt ggagaagatc ttcctgagaa tgtcacctta aaagatatca 360
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 tgatatct 428

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25
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 aagatgaata cagacatcaa tccatcatca tataacaact aaacagaagc agacaagctt 120
 gggacaaaag agaaccaccg aaaccacaaa ctccatttct ccggcaacga aggacattta 180
 30 ggaacccaat gccatgtcct tcttccaaca tgaaaaaaca gaatctcagg ccaattgtaa 240
 caacacacac aaatcatctc cttatgccac agacagtaca catgctcgta gttatggtaa 300
 caaaccgaag taaacttcct acaaacaatg tccggtaatg tttctacttc gatccaactc 360
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 cgcgctgg 427

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 agctctgata taacaatcaa tgagtctccc atttcgaggg aaagaggttc tgtctttgga 180
 45 accggattga ttatcttttt accgcctttt atgtagccta tggcaacttc tctccttagc 240
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 gcttttcgtg aaagggtttt cggattcagt gagtgaagga cgtttaaaga aagtcttctc 180
 60 cgagtttgga caagttacca atgtaaaaat catcgcaaac gaaaggactc ggcagtcact 240

5 gttgagccag ctagtccaga ttccgacgaa gggatctcgc tgctcgagtt tcacggtaac 60
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 aagaaatctc cgagtaaact acacaactgt cttgggtgtt tgggtccgga agacaatgtg 180
 gcagattatt accagcagca agtagagatg cttgagggct ttactgaaat ggatgaactt 240
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 10 gagacattgg cgattagaat atcaaacatt gcaaacatgc ttctttttgc tgctaaaagtc 360
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 gatcttc 427

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 ttggaattga gaagtgttgc tgagggttaga ggaaggatta aggttttggg aagaaagaga 180
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 aatttgttat gtgaatagta gtgagtgaat gatcggtttt atgatccggg ttaagaagat 300
 25 ttatttgttt gttgttgttt ttttgggtgt tttgtgtttt tgcgggtatt taattgtaat 360
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 30 <211> 427
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 ccttcccatt ttatccatca acgatgaagc aacagcagtg ccaaagacat ttgatgctcc 180
 aacgagagca ctggctgcaa catctgattg gattcccgca ctacggaata ccgatgtgga 240
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 40 gcttacaact ttccagtagc ggctgctgaa tagatcaaac catcctgcct ccggctcaga 360
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 ccgggagc 427

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 aatccgttga gagtttgttc ctttttttgt ttgctcggag atggaggctt tgccggaggga 180
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 55 tcatgggtccc aatagcaaac acgcttttga ttgggctctt gttcatttct gtcgtctcgc 360
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5 <212> DNA
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<400> 217

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	tcgcttcaat	gtctcaatcc	atccctcgcg	cttcgagggt	tctctctgct	ttgggaagtg	180
	ttgaaacgat	gattccactt	cacagtgccg	ttgcttcagc	tcgtctccgg	tcaagcatcg	240
	ctgctgattc	ctcttggttg	agcttgcttt	ctcagggact	tgcaacgcct	ttgtgacccc	300
	ggctctgctg	atcgatataa	ggcggaaata	atcaatatat	tacaatgaat	gaacaagaat	360
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20 <212> DNA
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<400> 218

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	tctgtgttct	cttcgattgt	gtgttgtagt	agacatcaaa	gtcgatcact	ttttaggggt	180
	tcgattaaaa	acgtcgccct	tagaaaccag	agttcgaatt	cgtcttggtt	taggtctaaa	240
	aattcgaatc	tttggtttcg	tttgaatcag	aggaagactc	tagttagagc	atcgaattgg	300
	agccaagaga	aatctcctta	cgatactctc	gagttggata	gaaatgcaga	ggaagaacag	360
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<210> 219
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35 <212> DNA
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<400> 219

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	cataatcatc	atgatgaaca	acaacaccat	ggttttcaag	ggaagataag	attggagaat	180
	tgggaagaac	aagtgttaag	ccaccaacaa	gcttccatgg	tggctgttga	catcaaacaa	240
	gagggttaaca	ttaacaacaa	caatggctat	gtcatatctt	ccccgaactc	acctcctaac	300
	aaatcttgtg	ttacaacaac	taccacaaca	aacctgttat	gaatgaatga	gaacagatta	360
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50 <212> DNA
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<400> 220

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	aattggatca	gcaatcgggt	tcagattttca	tagcggatct	actcgttgat	tatccaacta	180
	gcgattctgg	ctccgttgat	ttggcggctg	ataaagttct	aaccgtcgat	tctcccgccg	240
	ccgctgatga	ttccgggaag	gagaattcgg	atttggttgt	tgagaagaag	tctaattgatt	300
	ctggtagcga	gattcatgat	gatgatgacg	aagaaggaga	cgatgatgct	gtggctaaga	360

5 aacgaagaag gagagtaaga aatagagatg cggcggttag atcgagagag aggaagaagg 420
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10 <212> DNA
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<223> n = A,T,C or G

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cccaaataac catgtatata cacacataag cgatacttgt tatcaacttt cgaatttcca 240
atagcacaga acttgagcaa atctagaaga ttaagagatc ctcttcacg ttgtaacca 300
tcttctctag atttggctgc aacgcaaact gaatcatagg cggtggtccg catgcgagtg 360
25 ctagegatcc gccttccaaa ccttcaggga tatgttccct aagcacagct tcagttcgga 420
cgcggtgg 427

<210> 222
<211> 427

30 <212> DNA
<213> Arabidopsis thaliana

<400> 222
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caccggcatt tttcttccca gtaaataacc gatcaaacgg tgaccttatt gctagaagca 240
aaccttttagg tgcaccagca cgatcctgat aattaccact agcgttgata atctcatccg 300
gagactgtat cgaccgggta tggataggag gagttataga aaatgggtctc cgggtccaacc 360
40 gaccgtcttg atcaaaccgt tcaaagtaga aatagttctt ttcagtccct aggcttccgg 420
ttctgaa 427

<210> 223
<211> 427

45 <212> DNA
<213> Arabidopsis thaliana

<400> 223
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ggaggattgt ggtgtctgtg ggaacaccac tgggcttggg agtggcgatc ttgaaagtac 240
tcgaagtgtt gaaggataga aacgtctggg acgtgccttt gtgggttcca tacttgacca 300
cactcgtgac ctttggttcg tcggctcttg ggattgcgta cggaagcttg tccacaaacc 360
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agatgtg 427

<210> 224
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60 <212> DNA

5 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(427)

10 <223> n = A,T,C or G

<400> 224

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gtttcgatta	aaccaaacgg	atcatatgca	ccagcattaa	caaaaaacaa	ccgatatttt	120
15 gagactcaaa	acaaaaaaag	attacgactt	tagaagtccc	aaaaagtttg	cagcttcgaa	180
ccttttcatc	aaacactgcc	ttggccaaag	tcttgaatcc	tgtcaccacg	aacattttaag	240
ctctccattg	cattctccaa	tccagaactc	atctcagcca	acacatgagg	atcattgtaa	300
tgttgaacag	cttgaacaat	gctcctaagt	ttcttaaacy	gatcaggacc	atcaaaaacc	360
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20 gtcgtga						427

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25 <213> Arabidopsis thaliana

<220>
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30 <223> n = A,T,C or G

<400> 225

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35 aatgggagct	aacgcggcca	cgcaacaacc	tgagaaatcc	attgttctaa	tcgatttagt	180
accgcttgga	gataaattcg	ataacatgac	tgnaatgctg	acttaccaga	gattctggag	240
tanannngtc	tatatagatg	aaccaatctt	tgccgggatac	gacgtgattt	acgtgcgtaa	300
tcctgggtta	cccgttccc	cgccaacttc	tggtatgacc	attatagatc	aaggaccgta	360
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40 gcgcaag						427

<210> 226
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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

<400> 226

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55 gagcatgttg	tggagagaaa	agaggaatct	acctcatctg	aggattcctc	ttccccca	180
gatgaatctc	aaaatgatgg	tagtgctgaa	aaggaggaa	cagacgaggt	taagaaagtg	240
gaggattttg	taaccgagaa	gaaggaagag	ttgtcaaagg	aagagttggg	gcgnntgtt	300
gcctctcggt	ggacaggaga	gaaatctgat	aagccaaactg	aggcagacga	tatccccaaa	360
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60 gatggat						427

5

<210> 227
<211> 427
<212> DNA
<213> Arabidopsis thaliana

10

<400> 227
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actgtaaatg taatggccat cccattattc tcttttattt ttatcatgta gaaacaagat 120
acaaaaaagt taaaagactg ttacttttagg tcttgaacct ctgagagatc ttcccaactc 180
15 catctctaca ctctcagcc attttcttca ccttategct cacctgaact gtcccttgct 240
caacatctgc tgctgctcct ttggccctca caatggctgc atctctcatt tccccagctc 300
gcttccctaa attcactgca tattccttca aaactgtaat ccataaacgt attttctcca 360
tcacagtga gatacttcc cgggacttcc cactcacggg tccagccatc tccctcagct 420
tatccat 427

20

<210> 228
<211> 427
<212> DNA
<213> Arabidopsis thaliana

25

<400> 228
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aaacccttca acggtttctc taatgggctg tccgatttta agatcgagac tttgaatcct 180
30 tgctcctcta accagcgact gttatctgca ccgtccgcta agaaaccga cagctccgat 240
ttgttggaac atgggttcga acccgatctt acttttagca ttaccttccg caaaatcggg 300
gcggttttgc agaatctcgg gaatacatgt tttcttaatt ccgtattgca atgtttgaca 360
tacactgagc ctttagctgc tactctgcaa accgctgcgc atcagaaata ttgtcatgtt 420
gctggat 427

35

<210> 229
<211> 427
<212> DNA
<213> Arabidopsis thaliana

40

<220>
<221> misc_feature
<222> (1) ... (427)
<223> n = A,T,C or G

45

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accgattggt aaccccggtt ttcgctccctt gttgcataaa catttgattg ccaactgttga 180
50 aattcagctg ctgattctga gctgcttttg catcaatgac catgctttgg ttttccatca 240
aagtaggagg cgtttggttg ctttggacat ttctgtcgta catggccata agctcggtga 300
tcattctctg cccgttttcc gnnnctccaa cgcccgatag gtcgatcggg tggactgggt 360
gctgaggaac tactagtttc attccaccca tatgaaactt ggatgctcca tacgctaaac 420
gattgtc 427

55

<210> 230
<211> 426
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 230
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 atggacaaca gctaaaagat gcctctgtgt tctctgaact aatatcgaca aaactcaaaa 120
 gacagaaaaa aaaaaaacat aaacacaact ctagttcgct acttcaaata caacggccca 180
 caatttttct caatttttcta aacatacccc accattttca gaaattacca aaccgccccaa 240
 10 gaatctttcac cgtccgtttt cggatcttag atcaaacggc gatcatgaaa gcgagagata 300
 gacctcgcat tgtattgaag tcttcccaat tctaaaccct ggaacaaccg tgaacgcgac 360
 acgtggctca gactccggcg aactctccgc cgccgggaaa aacgcttctt ctgctacact 420
 cttcat 426

15 <210> 231
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
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 <222> (1)...(426)
 <223> n = A,T,C or G

25 <400> 231
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 tcctaagcct tagacataaa cgcaccatca cacatagcca aatgtcaaca caagaaaacc 120
 agaagagaaa atgaataaca agacactaaa ctcacacaaa cgagaaaaaa aaaggaatca 180
 agaaaaacag agaagctggt gttattgctc ctctcgact tccacttcgt cttcttcata 240
 30 ctcataccct tcttccctcat cagccgttgc gtcttggtac tgttgatact ctgataccaa 300
 atcattcatg ttgctctctg cctctgtgaa ctccatctcg tccattcctt cacctgtgta 360
 ccaatgcaag nnnngctttt ttctgaacat cgctgtgaac tgttcgctca cagcctaaa 420
 catctc 426

35 <210> 232
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 232
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 tatacactac atcttcaaca ttgaactaat aactgcatgt tttgtgtcac tgcctcagggt 180
 tggaaacaca cagccagtcg cgaagaggat caagtttagt gaagaagact aaaagctgaa 240
 45 gctgaacaac actttttccga taaccttttt tgaatagaaa tctgttctgt tgtactcttg 300
 atattggatc aataactaaa ctttaaagtt tgcaatgaaa acttctgttt caatgattca 360
 gattttctgt atagcatcaa gatactttcc cgagacagcg ggtgttagat tctctctggt 420
 gaaacc 426

50 <210> 233
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 233
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 aaaaaacaat tttctgtcta tatatatatt aaggatccaa attagggaga gaccaaagag 120
 gaaattaata acaatcaatc caacaacgaa tggagattga agaagcgagt cgtgaaagtg 180
 gacatgttgt gtgcggatca tggattcgtc gcccgaaaga agtaaaactgg gttcttatcg 240
 60 ctaaagcttc caaacgctgt ggctcatctg tttcttctcc tgctctctcc aacatcttct 300

5 cttttgaccc cattactgct tctcttttct cctctccttt ggcaacacac acgcttaagg 360
atagtgatgg tgatcctgtg gctgtttcag tgcacctggt tggggattac tttgtttgct 420
caacct 426

<210> 234
10 <211> 426
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<213> Arabidopsis thaliana

<400> 234
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cagctatgca tcaaggtcct aattcttctt cccccaaca tttcacttct tttttttatg 120
taaacttggt gaaatttttt caataaataa gaaataataa aattataata gtgtaagagc 180
tcgagcatac actgtttcaa gatctggtct tgaactttct ttgagcttct aagtcgatca 240
ctatgattga gatattgtct ttgcttccca tttgaatagc gagtttggag agatattcag 300
20 ccgcagcttg acacgcttgg tcttctccta cacctctctc agctaaaggc aatgctccat 360
tcttcttggt ccaagccaag atccgcctcc tcgcaaaatc gcaagcttct tggttactca 420
ttacgt 426

<210> 235
25 <211> 426
<212> DNA
<213> Arabidopsis thaliana

<400> 235
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aaagtttctg cgaaagctat ctcgaaagaa cagaagtcac tgacgagaac aggtaagcag 120
caaattcagt caaaagaaga aacatcatcg accatctcta gtaaattact gaaaactgaa 180
gaaattatct catccccgag tcaaagtga cctgggactg tacttgctca taagaagcct 240
cagaaggact ggaaagctta taaccctaaag acaatgagac ctccccctct accagagggg 300
35 accaaatgtg tgaaagttat gacttggaat gttaatggac tgagaggatt gttgaagttt 360
gagagcttct ctgctctgca gcttgcccaa agagaaaatt ttgacatctt gtgcttgacg 420
gagact 426

<210> 236
40 <211> 426
<212> DNA
<213> Arabidopsis thaliana

<400> 236
45 tgaattccag ccagcatggc agcgtgacca accgctgtaa caggaagaag cattagaata 60
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cctgttaatt catcaccaat cagagacctc cgaagtagct gcactgcagc tgctgaatca 180
atggcaagaa gttgagtacc ttgccacacg tccgtggtgg cttctcttag cttttgaaga 240
gttttctcca tcatgttttc cttcttggtg gtctgaacca actgaacact ttccgttcta 300
50 ctgcttgatt gaggtgtatc ctcagagatt atttcctcct catctactga ctgatcagtg 360
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atctca 426

<210> 237
55 <211> 426
<212> DNA
<213> Arabidopsis thaliana

<220>
60 <221> misc_feature

5 <222> (1) ... (426)
 <223> n = A,T,C or G

<400> 237
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 tgctttgttc agacgtactc gttgactcga aaggctgtca ctttcaaaac gaaatctctg 180
 gttctgagca gctcaaacac acagacgtct ctttctccta agttgttctc tagagtgaat 240
 tcgtaccatc cttgactgaa tttggctctc cgggctttgt agagacatcg aacaggccat 300
 15 tgtttctccn catnctggac tttgatgaac cgggagatcc cacttaggta cttctcagca 360
 aaccacagaag gaagatacat gatgcaacct ctgtatagat aggatggctg cagaaccact 420
 ctgaag 426

<210> 238
 <211> 426
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 238
 25 tcgagcggcc gcccgggcag gttagcgttta ctgtgagtct ctcaaagaaa ccaaaggcag 60
 agaaaagaga taacacacac aaaaaaaaat ggcatcaacc tcactcctca aggcttctcc 120
 ggtgttggac aaatccgaat gggcgaaggg acaaagcgtt ctcttccgtc agccttcttc 180
 cgcttctgtc gtctctcgca accgtgccac ctccctcacc gtccgtgccg ctctctccta 240
 cgccgatgag cttgttaaga cagcgaaaac tattgctgtc cccggacgtg gaatcttggc 300
 gatggacgag tcgaacgcga cttgcgggaa acgtttggat tcgatagggc tagagaacac 360
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 cctcgg 426

<210> 239
 <211> 426
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 239
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 cattgcaacg tagttcatat cagagcctgg actgaataat acttacataa aaactagaga 120
 atcacctggt ggaggaagat gtggtggtta aagatctgtc tgaagtgttg tctatgatgc 180
 tgcgctgtaa ctaattgtgc ctatgttccg gtgtgctgct actgcaaccg ctgcagctcc 240
 tgctggacca aactgtgatt gtgcctgcaa cagcttagca tcaatggcca tatgtgtgtt 300
 gttgtttaat tgatctgtct tcgggagctg tgggtgaaag taagggtttg ggtggttcat 360
 45 agtctcaacg tctgcttggg tagttgtagc agctggtggc tcagtgggac tgaattggtg 420
 gacagg 426

<210> 240
 <211> 426
 50 <212> DNA
 <213> Arabidopsis thaliana

<400> 240
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 acatcagaca atattacact ttttatcttg gctgcttcaa tgtctccgca tcgttcggtt 120
 taccggtgaa agaagcttct tagctttcct ctttcaagct tctcgagaag cttatcggcg 180
 cccattactt ccattctcga cagcttcttc agatacccta ttgctccgta cgacaccatc 240
 attttcttac tcttctcget tcccagacac cccaacagcc ccgccacggc gtacttcttc 300
 gccgtgtttc cagggtttga atccaataac atcaccaaat tcgtcagaac gctcttcccg 360

5 tcttttcttca gttcccgtcg aatccttctt tccgctacca atccagcgat cgcctgagcc 420
gcccgt 426

<210> 241
<211> 426

10 <212> DNA
<213> Arabidopsis thaliana

<400> 241

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catatagtat aaagccgtaa actctcttca acgaaagcga gagagtgtga ctccattccc 120
tcaaaaccta actttggcta aaatatTTTT cttggaagaa aagttattga aactgaacaa 180
acacaaacca cgtagaaaaa tcccggaata tagaaataat atcttcaagc tcttcacttg 240
gcaactaccga gctgggagcg gataagctta gccgcgtcaa ccatggcttt aagtgcgtgt 300
ttaacctcag tgtacttctt tgtcttcaga ccacagtcag ggtaaaccca caagatgttc 360
20 tgctcaagaa ccgcaagcat cttgttgatc ctgtctgcaa tttcatctgt ggatggtatt 420
ctcgga 426

<210> 242
<211> 426

25 <212> DNA
<213> Arabidopsis thaliana

<400> 242

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gccattacaa caaaaacaca taatgtgaga agatagcaag gcaaaaaaac gctcacagaa 120
acaaaaaagt ttatatgttt ctttaatggt aaaatcaaag acaaaaaacat aattcttcgc 180
ttctgttttg tggtcgaatc aatggaggtt ttctttttct attgtctcat ggcaatctcc 240
aaggaaaaac ttctattggt aagtaagtaa ggtaggttc ttaacctgac ctcttgaaaa 300
aggtgaaagc catggctata gttgcaatgg ctccaaccac agcagctcca atgtaaagct 360
35 cttctttgtc aagaggctgg aaccatatgg tacacttttt tacttctttc ttgattggct 420
ctggct 426

<210> 243
<211> 426

40 <212> DNA
<213> Arabidopsis thaliana

<400> 243

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tatttcacaa aacaaaagga atatatacaa cttaaacatt atcacattca cgataagtgc 120
ttaccataaa caaagtgggt caaggatctt gcctctgaaa ccatgtctat taacttgaag 180
aatagatcac ttcaaataat caattaacta tatctaccgc gcaacacgtt ccttgccaaa 240
ccagtatcgc ccctttctga gctcttatgt ctttcatact caagatcatc agtaggcagc 300
tcataccgac aaaccgggca agtattctt atccccacc aaggtatgat acactctcca 360
50 tgatagaaat gactacaagg aagcctcctt actttctcct ccactaacat ttcactcttg 420
catacc 426

<210> 244
<211> 426

55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature

60 <222> (1)... (426)

5 <223> n = A,T,C or G

<400> 244

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	attgccaaca	acaaaaacag	aaggctacac	aatatcaacg	aaacgaagaa	gattagagat	120
10	tagtcttctt	ctcatgttac	atagaggaca	ttactttgat	tcactgaaca	agcacaagcc	180
	ttccactacc	aataccttgt	ccaaaatcac	caccaccacc	atcatcatct	tcttcttcag	240
	cattcttagg	cacagtaaca	atcaaatac	catcaacaca	agcaacagta	acaagctcag	300
	gcctagttga	ttccggtaac	ctaaaacgcc	acacgtcaag	ctctaattcg	tctannnaca	360
	aaccaagaga	agaagaccca	tttgtcctca	caacgatctt	ggttatacca	ggatgaatct	420
15	caacca						426

<210> 245

<211> 426

<212> DNA

20 <213> Arabidopsis thaliana

<400> 245

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	gcgattttga	tttatgggaa	cggtttgcca	atctgtagcg	acggcgaaat	cttcgacggc	120
25	ggtgatgagc	tccattccgc	cttttctgag	caaaacgtac	gatatggttg	acgatccatt	180
	gacggacgac	gtggtgtctt	ggagcagcgg	aaacaacagc	ttcgtggttt	ggaacgtgcc	240
	tgagttcgcc	aaacagtttc	taccaaagta	tttcaagcac	aacaatttct	ccagcttcgt	300
	cagacagctc	aataacttatg	gttttagaaa	agttgatcca	gaccgctggg	agtttgcaaa	360
	cgagggcttt	ttaagaggcc	aaaagcaaat	actaaagagt	attgtccggc	gaaaacctgc	420
30	acaagt						426

<210> 246

<211> 426

<212> DNA

35 <213> Arabidopsis thaliana

<400> 246

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	ggcttcctcg	acgaaggaaa	ccactcaccg	gaggattata	acttcgccgc	cggcgacgaa	120
40	tccgaagtgt	acaacgatac	caccgatgtg	aattcagaag	agaacagaaa	attttggcaa	180
	gaacacgaac	aacttctcca	ggcgacactg	tataggacaa	gttcaattga	gacaaaagata	240
	agacaagcaa	ctaaggaagc	gttgaaagta	gtagatcaa	agggtttggg	atgtgtctgc	300
	cggagaccgg	ttaccgacgg	ttgtcgtagc	tgtttacgcg	gcgaagtatc	tagcctcttc	360
	cgagaagctg	gctatgattg	cgtcatttcc	aaatctaagt	ggagaagctc	tcatgagatc	420
45	cctgca						426

<210> 247

<211> 426

<212> DNA

50 <213> Arabidopsis thaliana

<400> 247

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	aacgagcaat	cgattgttgg	agcagccacg	atcgaggcta	atacagttta	tggtgcactt	120
55	agaggattgg	agacatttag	ccagtttggg	tgcttttgat	tatataacca	aatctgtgca	180
	aatatataaa	gcaccatggg	atattcaaga	taaacctaga	tttgataacc	gcgggtctgct	240
	gatagataca	tcaagacatt	atttaccaat	tgatgttatt	aagcaaataa	tcgaatccat	300
	gtcctttgcc	aaacttaatg	tcctgcattg	gcacattgta	gacgagcaat	catttctctc	360
	tgaaactcct	acatatccta	atttgtggaa	aggagcttat	tcgagatggg	aacgttatac	420
60	agttga						426

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<210> 248

<211> 426

<212> DNA

<213> Arabidopsis thaliana

10

<400> 248

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cttcttcagc aattcagatt catcaatggg gggaacaaaa ccctaattcg ttactgttaa 180

15

tgacggaggc tactgggtgg tattcggttg ctagctatta tacgtctttg gggttggttg 240

ttatctctgt tcttgggtct tggctctctaa tcaaacgctc tggtaaatca aaggttcgaa 300

ctttactaat tacaaaacc taaatttcac ttccaattcc caatttcttc gattttgaaa 360

aagcttgaat gcaatgttga ggattttag atagtggaa agacgtttgt tgtaaatgac 420

gtcaag 426

20

<210> 249

<211> 426

<212> DNA

<213> Arabidopsis thaliana

25

<400> 249

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cgagtcttct gatctcaatt cttagttttt ctctcaatt gccgatttct ctctttcttt 180

30

tcgagcagaa atcgtttagat cttttatcgc tgtgtaatag tagtactaat ttaataatc 240

ttgagagtaa ttactccgtt cattgttgaa tcatggagtc cggaggcaaa actaatcgtc 300

agctgcgtaa agctatttgc gtctcaacag acgagaagat gaagaagaag agatcacctt 360

cagtgatagt gattggaggt ggtatggctg gaatttcagc cgctcgact cttcaggatg 420

cttcct 426

35

<210> 250

<211> 425

<212> DNA

<213> Arabidopsis thaliana

40

<400> 250

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tctataaaaa gtgcagatat tttctttgtc ctagagaaaag aggtgatagg aaaaatgggt 120

ctccaagagc ttgaccggtt agcccaattg agcttaccgc cgggttttcg gttttatccg 180

45

actgacgaag agctgatggg tgaatatctc ttagagaaaag ccgccgggtc cgacttctct 240

ctccagctca tagctgaaat cgatctctac aagtttgatc catgggtttt accaagtaag 300

gcgttattcg gtgaaaaaga atgggtattt ttccagcccga gggataggaa gtatccaaac 360

gggtcaagac ctaatcgggt tgccgggtcg ggttattgga aagccaccgg tacctcggcc 420

gcgac 425

50

<210> 251

<211> 425

<212> DNA

<213> Arabidopsis thaliana

55

<400> 251

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aaaccagct caagtctcct tcatgactaa agagtaccac atctacatga catctgacgg 180

60

gaggataagc atggctgggtc tgagttcgaa gactgtacct caccttgcag acgctatcca 240

5 tgctgttggt accaaagccg tctgagaaac tgaacaccac catgacacca aagcttcata 300
ataaagattt tgttcttttc tttctattat agcatttccg gcagtgcaca gataaatgtc 360
gttactatta ttattgtttc atcccagtat caataaagta cgcaagaaag cttttgtgct 420
caaaa 425

10 <210> 252
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<212> DNA
<213> Arabidopsis thaliana

15 <220>
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<222> (1)...(425)
<223> n = A,T,C or G

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aatcaagaca acattttttgc caatgctcac tgcaggctgg aaactctggc cattggcaca 180
cttggttaca tacgggtgtaa tccctgtaga ccaaaggctt ctttgggtag attgtattga 240
25 actcatatgg gtcactatat tatcaactta ctcgaaacgaa aaagctgagg cgcaagcatc 300
agaggaaacg aactccagtt ctcactcaag caaggattag gtgatatcag catgtngatt 360
ctagattcta tagactctaa caggaggtgg atgaagaaca caagcacata tataacttttt 420
ttttg 425

30 <210> 253
<211> 425
<212> DNA
<213> Arabidopsis thaliana

35 <400> 253
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gttcagacta tgattacctc atcaagcttc ttctcatcgg cgatagcggg gtggggaaga 180
gttggtttgtt acttcgattc tcagatgata ctttctactac aagtttctatt actaccattg 240
40 gtattgactt caagataaga actggttgaac ttgatgggaa gcgtatcaaa ttgcagattt 300
gggacactgc tgggtcaagaa cgttttcagaa ctatcactac agcgtattac aggggagcga 360
tgggtatatt gcttgtctac gatgtaacgg atgagtcac ttttaacaat attaggaact 420
ggatg 425

45 <210> 254
<211> 425
<212> DNA
<213> Arabidopsis thaliana

50 <400> 254
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catcaactca ggaagtacaa agccaaaaag aaaaaaaggt tacagattct taaactttta 120
ttgctcagtt aataaaaagct gtgagagaga aaatgtagaa gcaaaaactga tgaaacaaca 180
attaaaagct tgaccagaaa gaaacatctg tgcttatgca ctcggaacac agatggctgc 240
55 gtaaaatatt ccgagctcat agatcaactt cctctgagca aaagaccctt ctggaattcg 300
aacaatgccc tatattctct tggtagttgt cctaatac ccaagtagtag tatgagcctg 360
cagacttctg ttccctgtct ttggctgact ccaatttgtt gattctttgg ctgaaattgg 420
tggga 425

60 <210> 255

5 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 255

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 accacagcag ggactcgaaa acgcactagc ttgcagcttc tgtctacctt cacctacaag 120
 tcgagattcc aaactttatc tacaaccagg atcttcaaca atgattattc taaatccaaa 180
 aacgagaaga gatgcatgta ggcgatagtt gcactataac aaaatgtgga gtctatgtga 240
 ttaatgatgc agctggcagc tcaagtggaa acacgatgac cccacaatgt tcttcaatgg 300
 15 attcactgaa gcttttagat ggtaaaggta aaaagagatt aagagttaac tatgctgggt 360
 taaaacaaag agaaaaagct ttatttcttt acatagcatg ttgctcggg ggtgagaagg 420
 ctgat 425

<210> 256

20 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<220>

25 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 256

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 agacccaacc acttgagcgt cccgcttctt ctccctgggg gttccaggga ccggagatgt 180
 gctgctattg acagagcttc caaccacaag tttattgtct cgcgcgtggc cgctgaggct 240
 gacctcgaca cggaggagga cctggagcag accgccaccg ccgtccttga tccgccaag 300
 35 cctaagaaag gaaaagccgc tttggttctc aagagagata gaacaaggtc taagagggtt 360
 ttgnaaatcc aaaagctaaa ggaaaccaa aaggagtatg atgtcaacac tgctatctct 420
 ttgct 425

<210> 257

40 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 257

45 tcgagcggcc gcccgggcag gtacttgcac aagagattac agcagcactt cctgagaatt 60
 gttgtatcaa cattagcccg attcctacca cgagggtgta tctatacttt ctctggaaca 120
 aatctgaaaa actcgacttt gaatcatttt ccaccatttt ggtcattact tgaattttctg 180
 aggcttcacg tgaaatatca gcatctcttc ctctaagccg aaacagtga ttttctagtt 240
 ctttatcgga gccaaacttg gccagccatc ttggagactc tggcacgaag aataaaccga 300
 50 ttacttgaat gaagcatggt aaagcaccta ataaagccaa cgtcctccaa ttgatgaagt 360
 tcccacaaaa ataaatcatg gcgagtccag cgttttgaag aagctggttt gaaaacgtaa 420
 atgta 425

<210> 258

55 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 258

5 gccctttttt tttttttttt ttaaggaaat agtactctta ttaataccat agtcaccgag 60
 cttaatttga ctctatcaat accataatca ccaaaagctt gatatgcata aatatatgtg 120
 tgcgtaaaac ataaaatgtg tgcgctttat atatgtttca tagttcatgt gtgcgtggaa 180
 gagctggatc ataaggaaaa gaagcacaga gcgtgtcgct ctcatctctc aaaaatcttc 240
 caagggttga gttttaatga tgtggaagga ggagaggctg gaagccgtgg ctgagacagg 300
 10 cttcccatatc tttgtccaaa tccgagagaa gaagggatgt gccacactca tgcgtttccc 360
 atccttctaa ggcgtgcaat atgccggcca ctctagttgc actcatcgcc tttctcggta 420
 accag 425

<210> 259

15 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 259

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 agtgtgaagc atggcagcat ataatttgtg ctttgttcaa cagccgaaga aatcatggag 180
 aatccaccaa gtacacttgc cctagttgct atatacaaga ggtggaacaa agagaaaagaa 240
 gaccattacc actaagtgcgt gttccggggg caacaagttt accagttact tctcttagca 300
 25 agcatctaga ggagcgggta ttcaaaaagt tgaaggagga aagacaagag agggctagac 360
 ttcaaggaaa aacttatgag gaggtccag gagctgaatc acttactgtc agagttgtgg 420
 catcg 425

<210> 260

30 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 260

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 ggaaagaagt aacaaaacac aatagatcga cgattgagtc atgcatgaga atcgattgat 180
 ggatcagcaa tttctgggtg agaagcaacg acgacggaat ccacggcaat cactccggg 240
 gaagccttcg ttgtggcaca cgttttcgca gtttgtatcg ctacgcatt tacccttgaa 300
 40 tctttggctc tgcgacgcac acgtgcgtgc ctgaccgtg actggacca tccctgtggc 360
 gacgaatata atcaccaaga aaagaacggc tgagatcaaa cgcatagaga acttcatgtt 420
 tggag 425

<210> 261

45 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 261

50 cttttttttt tttttttgac aacaaaatag gactttcacc attatgcatc tatttgcata 60
 taccatgtag tcagaaactg gcttacaata gaaattaaat gccttatgtt tggtagatga 120
 gtcaagccaa gtacttctcc aacttctcta ctctctctgt gcttccatg tatagaggaa 180
 cctctgatg tatctcagtc ggttgatata ctagtactct cgaatgtcca tcagaacctt 240
 tccctccagc ttgttcaaca atgaaactca ttggtgcaca ctcatacaaa agcctaagct 300
 55 ttccattttt gctctttgag tcacgagggt acccgtaaata cccaccgtac aacaaagtcc 360
 tgtgaaaatc tccaacaaa cttccaatgt acctgacgga gtaaggcttc ccagttggag 420
 caggg 425

<210> 262

60 <211> 425

5 <212> DNA
<213> Arabidopsis thaliana

<400> 262
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 agcaagagac acaatacaag ttaaatgttt gtgttttgag aagatgtctt ggtaaaggaa 120
 caaaatttca tccagatatg aatcatttac agttaaaacc aaaagatgga acctttccga 180
 catttgagct tccatatgct caagcaagtc tctgttctcg actcctgata gcgtcttcac 240
 tctgttttta agttagttag aatgagttcc gctaataat cgacccatgt gtcaggaaca 300
 ccgggtaggc accaatgcat acagtcttgt ccccatattg ccaccgcgtc ctgcttccct 360
 15 aaccagatcg ctgggtgggc atctgctctg aattcgctta gatgggtcag atcaagtaac 420
 ttgat 425

<210> 263
 <211> 425
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 263
 30 gtcttttctt gtttatccca aagagaacaa aactgagagg aaaagagata acgaacaatg 60
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 agcagcatgt ggattacata tatgtatann nttatagtnn ttattcatat cctgtaggct 180
 gtctttgctt cagttatgct ttgtgtccat ttcttctttg tctctttttg tctcttcgat 240
 gcaagcatct ggaacgggtt aggcctctta tagctctcct ctttaatcct tatcttcttt 300
 ttcttccctc ggtcatattc ttcattcccac tcatccgcta cataaccaat gctgcttgcg 360
 35 ccttcactct tngatccctt cttctgagaa gctgaaattt cctcatccca tttggcaacc 420
 actgt 425

<210> 264
 <211> 425
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 45 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 264
 50 tcttacatat tatgatacat acattgtcat agtaattatt caaacaacat cgacaatctt 60
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 acatcatcgg aggacttgct ctctcaaaag tcttcaatcg gtaaaccgac cttgtaccgg 180
 tatccccgag cacaatacca aaagtaaacc agattaacca caccaaaac cgcaatcaga 240
 taatagaagt aatccaattt tccgcggttg agattcttgt ttagccaatc cggacgatca 300
 tgcccaccgg agaatttatg aacgacagtc acaaggaaac tactaaggta gtcgaaccg 360
 55 gcgaacgata annngaagag agaattagcg atacttctca tgtgctctgg aaactgactg 420
 ttgaa 425

<210> 265
 <211> 425
 60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 265

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	cactaacaac	ccaacaaact	ctctaccatt	cgtgaaatag	taagcaacca	agtgggaaaa	120
10	atggaatata	taaattatat	ttacgttggg	gctgaagggt	ataaagaatt	ttgatttgag	180
	aatgtgttgt	tgcttcatat	catctccgtg	gaggatcctg	aatcagggttc	atttcaactc	240
	ccacgggttg	ggattctctg	aaagttccaa	gcttttcagc	ctccctagct	atccgaacat	300
	cggaagggtc	gtaatactcc	actagaaact	tgatggcgaa	tctaggaagc	aatgatgtca	360
	caactattgc	tagcaagcag	aaccagaaca	tccatgtctt	gccacttggg	aaaattgccc	420
15	agtaa						425

<210> 266
 <211> 425
 <212> DNA

20 <213> Arabidopsis thaliana

<400> 266

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	tatcaaggat	aaccaacgca	gtagaaattc	ttttgtgggt	gatatggata	aaaagcttgc	120
25	agcagagcat	ctcctgcagg	atgtatcaca	ttatcatggg	cctatgatta	gacaaatgaa	180
	acaactggta	gatatctaca	tcaagcttgc	agagcttgaa	acaaggagag	aggataccaa	240
	tagaaaggta	gcactacca	gagagattcg	tagtgtgaaa	caactggaac	ttgtacctgt	300
	ggtgactgca	acaattcctg	ttgatcgtag	ctgccaatac	aatgaagggt	cattcccgtt	360
	tttcagaggt	ttatcagatt	ctgttacagt	gatgaatggg	ataaatgctc	caaaagtagt	420
30	tgaat						425

<210> 267
 <211> 425
 <212> DNA

35 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(425)

40 <223> n = A,T,C or G

<400> 267

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	ttcgaggaag	cacattctac	tgacgaagaa	cttgaggatt	tgtacaattc	tcccagatat	120
45	gtagctgaaa	agatgaggaa	gaatgagttt	ttcaacatgg	atgataagaa	gtgggatcac	180
	atgattagag	aaggatcca	acatgggtgt	cttactgata	ctaaagaatg	cgaggagatt	240
	cttgaggata	tgctcaaagt	ggaccagctt	cttcctgatg	acttgaagaa	aaaggttgaa	300
	gcaaagttaa	atgagcttgg	agatatgtgt	gaaagaggtg	aaattgaggc	tgaagcagct	360
	tatgagcttt	ttnnngaatt	tgaagatgag	atggtaattc	agtatgggga	tcagatggaa	420
50	gctga						425

<210> 268
 <211> 425
 <212> DNA

55 <213> Arabidopsis thaliana

<400> 268

	tacttaagaa	agaaggga	gagaagtttg	gggaagcttt	taagcaatgg	caagaagatc	60
	cggcgaaatt	tatcatcgat	ggtcattatc	ccgtaagaga	gttatgggtc	cgtgctagaa	120
60	gctgttggcc	tggtattctt	gctcatgaga	gcaagtctgt	tctcgttgtt	gctcataatg	180

5 ctgttaataca ggctcttctg gcaacagcaa ttggactggg aacagaatat tttaggagtt 240
 tgttgcagag caattgtggt gtaagtgtat tggacttcat accaagagct gacgggtggat 300
 ctcttcacgt atgtcttaat cgactaaatc agattcttga gttgggtgta aaatgttaga 360
 ggtagtcaaa attctgctta ctgtctttgt agtactaatg cagacaccta attcgcctct 420
 agctg 425

10 <210> 269
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
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 <222> (1) ... (424)
 <223> n = A,T,C or G

20 <400> 269
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 tcaaagtga cagctgaagt agcaagtttc acgtacaaac accaaactcg aggagggact 120
 attcagcata atttatacat atacatgtag atacatgtat tgtgtattta tatatatgmn 180
 25 nggttttata gtgtaggagg gatccagata tagccgtgag tctgaagata accagctttc 240
 tctagttagct gatcagcttc tttcggtcct cggcttcctg gtttgtatgg gattgacttt 300
 acttctcctt tgtcgatcct gtggagtagc ggcgtgaaga tctcccacgc aacctttaat 360
 tcgtctctac gaacgaaatg ttgttgatcg cctttgattg tgtcaagaat taagcgctcg 420
 tatg 424

30 <210> 270
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 270
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 ttctgtttac tctctgcatt tgctccgttt tgggtttaca acgacatgac caccgcgaaaa 120
 tgggtttgata aaggcagttg gctgtttaccg gtatcgggtga ttccattctt gggaccttct 180
 40 ttgtatctac tcctacgacc agcagtgtca gagacgatag ctcccaaaga tactgcatca 240
 tctgacccaa atcaatagca acatcaactt tctcttttgc tcgatgacaa gactattgtc 300
 cagaagcccc aggaagattt cacaggaccg accatcatat ttctgatgca tgaatgctga 360
 tgataacatt atgaacatga taaaccacca acgtcacaaa cgtattctag aatacaaaaac 420
 ctaa 424

45 <210> 271
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 271
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 aaggatgtac ctactgaggt atatcaatgt ttggaaaacga ccggagaagg agaaaactgg 120
 tgggaggctg ttgatttgca gaagttgatt ttggctcata atgacattga ggttttaaga 180
 55 gaagatctga agaaccttgc ctgtttggtt gtgctaaatg tcagtcacaa taaactctct 240
 caacttcag cagctattgg ggagcttact gcgatgaagt ctttggatgt gtcctttaac 300
 tcaatatcag aacttcctga gcaaattggt tcagcaattt ctcttgtaa gcttgactgt 360
 tcaagcaatc ggcttaaaga attgccagat tctattggga gatgtttaga cttatccgat 420
 ttaa 424

60

5 <210> 272
<211> 424
<212> DNA
<213> Arabidopsis thaliana

10 <400> 272
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ttttgtataa cacaaatggg aaatctgttt ctaaaccatcc ttccatcgct gcagctactt 120
actcttggtt tgactcatca ttataccaat tccatcaata gcggatcacc ttccgccatc 180
tccctcacca atttaatgaa atcttggttcg ttcgagatgc tccaaggatg aactgcagggt 240
15 gcttccgctg aatacaaaact caaagaagag tttagcgaag ctgggttctga cttatataacc 300
attgagccta gaaccgggtc aaaattctga ggcgaatcca tcgataggaa gaacataggc 360
acagcaactt tgtaatgcaa atccatatca ccaacgagat taacaagatc tgtaaagtct 420
gaga 424

20 <210> 273
<211> 424
<212> DNA
<213> Arabidopsis thaliana

25 <400> 273
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gttgctatct cctcgaattt cgacactatc tcttttgcac ctttcttcgt tgtaaacttc 120
gattctgata tctcttcttt ctcaaacaaa cccgagagat cgaatccttg agacagcgaa 180
gagatcaagt caaacgcgtt gtaagacatc ggttttacgg aaaaagctgc gtggacatcg 240
30 ctgatcagtg agtcgatctg atgactttcg ggagatttag gcgtttcgtat cttcttgaaa 300
cccttttgaa accaggaatt ctccatgatt ttttcaatct tgattcttga attagggtta 360
gggtcaagaa tccgagacaa caacttcttg acctcgggag gaaaccaatt cggacatttg 420
aatt 424

35 <210> 274
<211> 424
<212> DNA
<213> Arabidopsis thaliana

40 <400> 274
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caatccaata aagtgaaca aggtgttgga aatggagcta cgcagaagta tgttaataag 120
tataaggaag aatctgataa gtgtattttg gctgttgatt tggctttgaa tgaatctttc 180
aagaatggga agagaaaagc gaagatttgg gctgaatctg agaagaagaa gcgtctcaaa 240
45 atatggaagg ggaagagagc tgttgaagat agtgacagtg atgatagcga cgacgaggaa 300
gatgagaaat ctgttgttct aaacaatggg ggtcatgatg gtgattcatc tggtaaactc 360
tcatgcaata gtggttcaga ggaagagaac gacgctgtaa tgcaccgcag tttcgatgtg 420
gtta 424

50 <210> 275
<211> 424
<212> DNA
<213> Arabidopsis thaliana

55 <400> 275
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cattgcaggc caggagagggt tttgttagga acagactcac acacttgtac tgctggagca 180
tttgggtcaat ttgctacagg gattggaaac actgatgcag gttttgtgtt aggactgga 240
60 aaaatcctcc ttaagggtcc accaacgatg aggtttatct tggatggtga gatgcctagt 300

5 tattttgcaag caaaggatct gatttttaca attattggtg aaatatctgt tgctgggtgca 360
acttacaaga cgatggagtt cagtgggtaca actatcgaaa gtctgagtat ggaagaaaga 420
atga 424

<210> 276
10 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 276
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gtgaccgtct ctttgaggat cctcttcatg atggcaaac catgctcaag atttggaact 120
tgaacaagta cactggagtt attggagcat tcaactgtca aggaggagga tgggtgcagag 180
aaaccagacg taaccaatgt ttctctgaat gcgtcaacac gttaaccgcc accacaagcc 240
ctaaagacgt tgaatggaac agtggagca gcccaatctc cattgcaaac gttgaagagt 300
20 ttgctttgtt cttgtctcaa tccaagaagc ttttgtgtgc tggactaaac gatgatcttg 360
agctgacttt ggagcctttc aagtttgagc tgatcactgt ctctcctgtt gtgaccattg 420
aggg 424

<210> 277
25 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 277
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ctcccggttct tcggatcctc ctttagagtt tagtcctcca ttgatcgcca tgggtggtggt 120
tctagccgcc gcttttctat tcgtaactta ctctcgtctc atctcccgcc gttttctttc 180
acctctatcc cgtcgtttta gaagggtggcg atgccgtcga cgccgtctcc ttcacttatc 240
ttcagcttcc tctgcttcaa cttcatcctc cgatctccga tcattttcac ctttcccttt 300
35 cgactctttt cattactctt cttactcacc ttacggatta gacgattccg ttatcaaac 360
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ctcc 424

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40 <211> 424
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<213> Arabidopsis thaliana

<400> 278
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atatgatccc ctatagttat atacatacaa ataaatagat tgactggaat ttcagacatc 180
ggcccgacga tgatccattt ttcaaaagag cgcaaatttt tttacgttta cacatgcata 240
agagtttttt ttattttatgt ttgttaggaat ctatgtgtta tacaacattc taccaaatgg 300
50 gtcttatcga atcgaagttt ttaaaataaa aaaaaaagg tgatatgatt cgttctcagc 360
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gaaa 424

<210> 279
55 <211> 424
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<213> Arabidopsis thaliana

<400> 279

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ttagtctcat cttatgtcac tcccgtcgac cttttctaca agcgaaatca tgggtccatc 180
cccattgttg atcaccttca aagctactcc gtcaccctta ctggattgat ccagaaccgg 240
agaaagctct ttatcaaaga catcaggtcc tccccaagt acaatgttac tgctactctt 300
10 cagtgtgccg gtaacagaag gactgccatg agcaaagtta ggaatgttag aggtgttgga 360
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gagc 424

<210> 280
15 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
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<223> n = A,T,C or G

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aactcacaat attaacactc actgagctat caaaatcaac gccttggtcg ttctcagcc 180
acgttcactt taattgctct gccttccaaa ttctgtccat caagagcagc aatggcaacg 240
ttaacttcat tctcattcga catttgaaca aacccaaacc cacgtgaacg acctgtctct 300
30 ctatcagaaa ccactcgggc atcaactact ttcccatgct cgctaaataa tcgttccaaa 360
cgaccactat ccacatccca tggcagggtc ccaacataga tcctaaacgc agcatcatat 420
acac 424

<210> 281
35 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

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gtcttatgca agtgagtacc aagcacgnnt cattttaggt tactgttcga cgtatatctt 180
tatgcagaca tttatgatac ctggaacgat ctttatgtca ttgcttgctg gagctctttt 240
cgggtgtggt agaggttttg ttcttnntgt ccttaatgca actgctggag catgttcttg 300
50 cttcttctta tcgaaattgg tcggtaggcc attggttaac tggttatggc ctgaaaagtt 360
gagggttttc caagctgaga ttgcgaaaag aagagatagg ctgctaaact acatgctggt 420
ctta 424

<210> 282
55 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 282

5 gccttctgac ttcgcttctg tcgctgctt caatcgaga agcttacatt tactcaggag 60
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 tgcagaagac tttccacact gattggagct cgcacatca tcaccatggc ttccttagatc 240
 aagtttctga tgttgactcc gatgaagatg atgttgatgg tgaagatggg gaggacgatg 300
 10 aagatgttaa ctctgtttcg gatttattat caccttaca gtaagaaaaa actgatattg 360
 taacaactta aggaaagagc aatatcagca ttttttgta attttgtttt cttgtgtttt 420
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<210> 283
 15 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<400> 283

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 gactgtttcc tactatgggt ttgttagcga tgttttgagg ctctctgaaa aataccaaaa 180
 acggtttggg cctttgcgtt actttgttgc tggattcctc aagttcatgt gtttgccgaa 240
 gtatagctat gaagtggaat atcttcgggc acaaaaagag gatgcagaag gcaaaattcg 300
 25 acttgaaggag gaagctgtgg atatgcaaga tctctacacg gatgtaatga ggagatcaag 360
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 cgta 424

<210> 284
 30 <211> 424
 <212> DNA
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<400> 284

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 caatggagag gaaaatgact tcgttgatgt cttgcttggc ttgcaaaagg atgaaaagtt 180
 gtctgattct gacatgattg ctgttctttg ggaaatgata tttagagggg cagatacagt 240
 tgcgattcta gtggaatggg tgcttgcaag aatggttttg catcaagaca tccaagataa 300
 40 actctacaga gagatagctt ctgctacaag taacaatatt agatccttgt ctgattccga 360
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 tggg 424

<210> 285
 45 <211> 424
 <212> DNA
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<400> 285

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 aaccagcaag aaccagtcga atctgaacat cagaagggaac accagccgtg gcggcccaga 180
 aaaccgtcgc gccaacgaga aacttcttga ggatttggaa actgttgtaa gtccttttgc 240
 aggaagagca tacttggtga tgctgatcaa atctatctag catctgacgc ttggttaaga 300
 55 cagtgggaagg gagaggttgg ttagacgggg tggagccgaa ccattcaggc tgactcttac 360
 catgccgtct gagccagttt ctgaatgcta gaacaaaacg gtctgcctgg gttggagtga 420
 atgt 424

<210> 286
 60 <211> 424

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 286

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	gaaaaaaaaa aatcaaactt atgtgatttg gagtttataa aaatcatgaa atctttttctt	120
	tactaaatgt tcttcttcac tctttattca ttaagcatcc acaatttccc atcaatattg	180
	ttttatactt tatatacttc ttcaagtcaa tctcagtcctc atttcgaact tcttcccaac	240
	aagtaacgac agtttagaaa cctccacact tagaaacctc ggatcatcat tgtccgaaac	300
	cgtctttata agagagattc taggactcct caatctctca cttgtcctaa cctcgtacgt	360
15	tttcacgttc tccacgttct cgaacccaac aaacgtcact ttcccgatgc tccatttcat	420
	tttc	424

<210> 287

<211> 424

20 <212> DNA
 <213> Arabidopsis thaliana

<400> 287

25	tttttttgag aagggaatac acagagtaac attttttttc tgaagtaaca aataaaaaatg	60
	ccccaagaca caaagcaaaa cgtcaagggg aaagataata aagagagggg ggttgcttca	120
	ctctaaagtt ttttaaccaa ctttgcttta agggaagcaa cagggaagctt agaaagaacc	180
	ttctcatcaa acaccatgta atgtttcttc agctccttca acgtcttctc tgccactgga	240
	tctaccttgt cctcatgttt ctcatacaac attggtactg tatgtaacac cacaaaacag	300
	atgtatacaa gagtcaagaa gttgaaccag tttcccacaa ccgagattat ccacagcca	360
30	caaaccacca tgagaaattt cttcaagtcc cttcctaggg caatgctcct tagaataaca	420
	aagg	424

<210> 288

<211> 424

35 <212> DNA
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<400> 288

40	ttccaactct caccaaagcc ctaccgaatc accaaccatc accgacgtct tctccgcctc	60
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	acttcccgcg gataatggct tctacgctct tcaatgggag gactcaaca attccctcca	180
	cgttgctcaa tatatcatcc agcatggtgg tgatgttaat tcagctgata atatacaaca	240
	gacaccattg cattgggcag ctgttaaagg ctccattgat gttgctgacc ttttacttca	300
	acatggagct cgtattgaag ctgttgatgt caatggcttc agggagttat aagttttgca	360
45	tcaggcttgt tgctgctgtg atcataggct tcagattctt ctgactataa cgcactagat	420
	attg	424

<210> 289

<211> 424

50 <212> DNA
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<220>

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55 <222> (1)...(424)

<223> n = A,T,C or G

<400> 289

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5 atacgaatgg tgccttcctt ctccctgtggc ttctattgct gaaactactg taccaaacaa 180
gtcctttgccc cttttttgtgt ggaccagaga cctctgataa ttcggttacg ttccgcttaa 240
ccagttaagg cttccagcac gaaggtggta tgccttgctt ctcaaaccat tcaggcatgc 300
ggaaccgata ataaagtgtc ggtcgtacat cgtcttcctc tgacagttgc ttcagaagcg 360
gtagaataac atccaagagc tgagtatcat ttggctgccc tgcggaaaat gcaatacatg 420
10 gaat 424

<210> 290

<211> 424

<212> DNA

15 <213> Arabidopsis thaliana

<400> 290

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20 tcaccaatct atatatatac ttgttgaga acccacaaga aaagaccctt tctaaaaggt 180
tatcttggac ccgaggggta atcgttttcg ataaggggaat tggaataggg gatgagccag 240
tcagtgccag catgaggata ggcttgatag ttaaaatcat gtattggcat ctctctcttt 300
tgccattctt cccatctctc agctaaacca tctccttcca gcattctcac tacttctgac 360
atctttggac gttccattgc agaactttga gtgcagagca gagccatttg tatcagctgc 420
25 tcca 424

<210> 291

<211> 424

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1) ... (424)

35 <223> n = A,T,C or G

<400> 291

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gcaattctga gatctcattt tcaccggcga cgagctttaa tcggagaacg atgaagcagc 120
40 ttcacaagca aatgagctcg aagcgtgatg aagaaaccat tcccatgagc caatccagtc 180
cttactctcc caaaacnmta aagcatccca gatctctncc cagatcgctt cactatctct 240
ttcgtgaaca acgactcctc ttatctctcg tcgggatctt gatcggatcc actttcttca 300
tctccagcc ttctctctct cgtttaggcg ccgctgagtc cacctcgta atcaccagat 360
ctgtttccta cgccgtcacc gattccccgc cttccaggtc gacttttaat tccggaggcg 420
45 gcgg 424

<210> 292

<211> 424

<212> DNA

50 <213> Arabidopsis thaliana

<400> 292

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55 gcgagagata ctctctttct tagaccaaag acttgacgtg gtgtaccag tgatccagag 180
attcaagtca ctcatcactc tcgaccctta taacgtgacc aagacatgga ttgggttcaga 240
catctgcagt tatagaggct tccactgtga caatcctcct cacaacaaaa ccgcagttac 300
tggttgcttc atcgatttca atggctttca gctctctgct ccatccatcg aaggatttat 360
cgatcaattc gctgacctag ctctgtttca tgtaaactca aacaattttg gaggtacggt 420
60 gcct 424

5
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 <211> 424
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10
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 <223> n = A,T,C or G

15
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 gtcgtcctcg tcctcgccgg aaccggaaat ctaatggctc atcctacgac cacaccgacg 120
 gcaatcttct ttctatctcc acttcctctc cctccggagc cgacgaccaa agtctcagct 180
 20 taaccctaga cgttcacctg atttcaactc tagctaatta ccgcttccaa ttgtttctcg 240
 attccagcaa agacgcgttc tccgacttgc aaacactaat ctactcgcac gataaccgga 300
 gagtcgtnnn ctctgtgcaa aaatcaacta tgcaattcgt cggcggtgtg gttatactag 360
 gattcgtatt tggttttgca attaggggtc ttgtgaaatt aggatcagct ttaaagggtg 420
 attt 424

25
 <210> 294
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

30
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 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

35
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 gaaaagtctt ctcatcccct tccgagaaat caagggtggaa tgtaccatac cgaaagacga 180
 40 tggtagacta gcatcattcg ttgggttcag agttcaacac gacaatgcaa gaggtcccat 240
 gaaaggtgga atcagatatc atcctgaggt tgatccggat gaagtgaacg cattgggtca 300
 gctcatgaca tggaaaacag cagtggctaa gattccttac ggaggagcta aaggagggat 360
 tggttnnnat cctagcaagc tcagtatctc cgagctcgag cggttgactc gagttttcac 420
 tcag 424

45
 <210> 295
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

50
 <220>
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 <222> (1)...(423)
 <223> n = A,T,C or G

55
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 taagacacta gaaacttctt aaatctcaaa agagatcgtg taggtcatgt gactcgatcg 180
 60 gcgagtcgga gacggagaga ctccaagatg cgttcgaaca caagcacgtg gcaaggggatg 240

5 cgannnnctc cttgttgctc gtatccatac tcttgagccg actgcttcag caacgctacg 300
aaaacggggg ggttgagcag ctccgcattc accacgaacc gctccatctc gtggcctacg 360
taaacaggca cgtgccccctc gggaacccaa gatttgtgtt tctccttctt ggtgcggcca 420
cgc 423

10 <210> 296
<211> 423
<212> DNA
<213> Arabidopsis thaliana

15 <400> 296
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tttccaaaaa gatttgatct tttctgtcct ttggagcgat acatttaagt agacagatct 120
tggaattgcc atgggttgaa ttggatcgac ttagggtcgg tggtatcttc agagtatatcc 180
gcagctgcac gatgttccga gtactttcca ttgaattggg aaacttccag atcaccccat 240
20 ggtgtagcag tgactttctc cgttacatcg aaccattttg gagtaaaggc ttggcctttc 300
tcttcgcggg ttctcttttc agctctctgt ctctcttcca tgctgctctt ctcatagcct 360
gatttggaca tgtcgcccat ctcaagtgcg tatctatcag gtcgtaaccg tgaatcagag 420
ggc 423

25 <210> 297
<211> 423
<212> DNA
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aaactaaacg aaaaaacaaa aactcttctt ttgcggggat cacacaatct tctatgacct 120
gggcttggat atctcaagggt ataccatttg agtataccca ttgaacactg acttatccag 180
acgacctaaa cegattcggt ggaacaaccg gtgcttgcca tctgctacga ttggtggagt 240
35 cgctcgagca gggtcatacc gcgactgatg gggttaatgaa ggtcctgcga ccggaggtag 300
ctcccaatag acgtcaagaa ttgattcaac gtagcgactg ttttgaaaat gctgattgta 360
tgagatcggc gtgttagtgt gggtgaaatc atctctcatt tctcctttaa ctccccacca 420
tgt 423

40 <210> 298
<211> 423
<212> DNA
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45 <400> 298
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tgtgttggtg gacaattgcg acgtggactc tttgggtggg taggccagcg attaagggtcg 180
gggtgtgttt gtgtgcgctg tgtgtatgtg ttaaaaggaa aaggagggtt aaaaaatggg 240
50 ggtttctgtg gttgcttcgg gacagttgcc attcccgctc acaacctcca caaccaacgc 300
tgcgctctca ccacaggcac aagactttac actgagaaca tctcacgcaa ccacatcaca 360
cgcaaccaca tctcacgcaa ccacatctca cgcaaccaca tcacacgcaa ccacatctca 420
cgc 423

55 <210> 299
<211> 423
<212> DNA
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60 <220>

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5  <221> misc_feature
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   <223> n = A,T,C or G

   <400> 299
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   aagagatgaa cacgatagcg aagcgagtta cgggggttgg gactcgtccn nnnnaaccag      120
   cagttgcagc aagagcgagg gataagagtg aaggtgttct ccaatgatct agacaaggca      180
   ctgacgattt tgcagaagaa gatgcaatcg agtggaatgg agaggctgat caaagggact      240
   cagactcatc acattaagaa ttccggagaag aaggttctcg ctaggaagaa tcttgaacgc      300
15  agaatcaaat ccattgactt tgctcgaaaa ctccaatcaa tcctcatcaa gaaagtcaga      360
   ggtttatgag agctgaggtg aagcaagagt gctgctatgt tgatcagtac ctcggccgcg      420
   acc                                                    423

   <210> 300
20  <211> 423
   <212> DNA
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   <400> 300
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   acatgaagca ttttgagatc cctcaacggc ggcgagggat gaggaggagg agatgggttc      180
   gaaggtatca agaacggaga tgggtgttatt gaaacacact aagattttag ccactagatc      240
   ctctagaccg gacccggtt gagagaggag ttgctgaagc tgagtgggta agtcatggcc      300
30  ttcaacgagt tggttcataa ctttaagctt ttttgcttta ttagtatcca tttgttagtt      360
   ttgaggaagt ttttggtgag tggatatcta tttttctttc cacctgcccg ggcgccgcgt      420
   cga                                                    423

   <210> 301
35  <211> 423
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   <400> 301
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   cgaaaacaag agatgagaga tgcagacaaa catctttaca tgtctgtgta atgctgtttt      180
   taagacgaca cagcgatata tatattgcgg agacatgaga tatgtgaaaa cctgtaaagc      240
   taagatcaat gcattggatg cctcgggtgat ctcgacgaa caggcgtctt tgaaggactc      300
45  acccttatag gttaaagaacc aagaacaact ccactgcagt tgagagcagc tattgcgctt      360
   tccgccatta cgaactctac aaaagcaata cgagtcgagt gttgataatc tccaagcagc      420
   ctc                                                    423

   <210> 302
50  <211> 423
   <212> DNA
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   <400> 302
55  aaagtaactt taaagactaa ttcacttata aaagtaacat agagatcttg atgccaatgt      60
   cctaaaagaa taagcgtttc aatttcactt ggaaatgttt aagacctacg accgtgaacc      120
   taagaagagt cattcctcat tgtgacaagc tactttctaa gagggtctca gactcagaga      180
   gctgctttct tcacctcgaa aaaatttgag cgttctctgt ttgctgcac aatgtcttct      240
   tgtgatgcca cggccactgc aacgccttta tcactaacag agtctattgc ctctgcgaat      300
60  tccttgaagt ccttcaaaact tgtagataat atctcttcac gccttatttg cctctcttcg      360

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5 tcggttacat taagtaaatt cctcaacaaa ctggtataac ctttggcatc agggagttgg 420
tat 423

<210> 303
<211> 423
10 <212> DNA
<213> Arabidopsis thaliana

<400> 303
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15 ctacgcgtctg ggatacaacc tcccactgtt ataattggaag taatggagat atagcatgtg 120
atgggtatca caaatacaag gaagatgtta agttgatggc agaaatgggc ttagaatcat 180
tcagattctc tatctcctgg tcaagactta tacctaattg aagaggacgc attaacccaa 240
aaggtttatt gttttacaag aatctcatca aagagctacg aagccatgga atcgaacctc 300
acgttacact ttaccactac gatcttcctc agtctcttga agatgagtat ggaggatgga 360
20 tcaaccacaa aatcatagaa gactttacag cttttgcaga tgtatgcttc agagagtttg 420
ggg 423

<210> 304
<211> 423
25 <212> DNA
<213> Arabidopsis thaliana

<400> 304
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aacaattcaa gtaaaaacaa aacaggtatt gcattctaag aaagataaca agaggaaaaa 180
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tgtcaacaa agtatgtttc tttttactga ctacacagtg acacgattat tccagtgatg 300
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5 actaacatca accccaagtg tcatagatta gatataaaat tcagtgaccg gcaccggccg 180
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 55 cta 423

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 10 ggccaaagag actttacgac gtgtgaaacc cgcggttggt gatggcccta gaggcgtgga 240
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 gatgagaaga ggaggagatg ataagggtga acaaagaagg ctctttgatg caatcttttg 360
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 30 agttacgaac aaacaagata catctggtgt tggctcttgat aagcctaata catgggcatt 240
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40
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 45 aatagcactg aggagacaga atcatcgctg tcttcttcgt ctgtagattg cgttggaatg 240
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 gcc 423

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 ttgagaacct cataacacaa actttacaca tctgttatag aagcaagcca gcaatgtggt 180
 60 atctttgggc tcccatcatt cctcaccatc ttctctctct tcatcgatc cgtcttcttc 240

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	gtaggtgaga	gggttggacc	agagatcttc	cttgataata	tcagcaacct	catcatgaat	360
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	<223> n = A,T,C or G						
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	gcgggttgggt	catcgccatt	attgtgctag	cttctgttat	cctcgccgtc	gtttacactg	180
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	tccagaaaatc	tggtaaattg	gagaacaata	agataccttg	gagaggagat	tcaggtctta	360
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	aagaaacgtg	cagagagcga	tatcactgtt	ccagatgctc	ctgctagagc	tgaaaaatth	180
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40	ccaccagatg	gcattcttct	atgccgactt	cgtgagcaag	tactcagaga	gttaggattt	300
	agggacatat	tcaagaaagt	taaggatgag	gagaatgcaa	aggctatatc	actatttcct	360
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	cagctcgcta	actccgggta	tggaggaatt	gcgccagccg	gtcaccaaaag	gaggaaagag	180
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	aagtctgctg	acgactcatc	agatccagag	cccatgatta	catcgtgaag	ttggtctatt	360
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5 <211> 422
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 <223> n = A,T,C or G

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 ttacacataa caaaaacgta ccnnnatgat gacaagagcc ccagcaatta cacacatgaa 180
 aattcgtata cgacataaca agaaaaaacc cttgttttga tttccacttc ttgggggttg 240
 tgaaagactc taccttgccn tcattacccc caagcaaaag ntatttacct ttgcgagtaa 300
 20 gttcggggca ttcgaagccc aaaaccgggc cgataacttt ctgggcgtaa ttagccacct 360
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 gg 422

<210> 318
 25 <211> 422
 <212> DNA
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<220>
 30 <221> misc_feature
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 <223> n = A,T,C or G

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 ttcactcttg ttcacaacct ggagatggaa tagtccaatg catctaccaa gaaatctgca 180
 tcactcttag tgaaacacat tgggtggcttt atcctgaaaa cgttcccatg aagtcctcct 240
 tttccgacga gaatgccaaag ttctctaagt tgctcaaaaca agacagatgt ttcagccttg 300
 40 gctggtgtct tgtctttccg gtcactcaca agctcaatcc caaccattaa cctctctcct 360
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 ga 422

<210> 319
 45 <211> 422
 <212> DNA
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 caattgtatg ggagagacaa aagccaaaga tcaaagtata aaaagcaatt taagagaggt 180
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 ga 422

<210> 320
 60 <211> 422

5 <212> DNA
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<400> 320

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	gtcgacatat gtgtatgtgt agcggatgtg ctaagggtatt gaggtttcag acaaatcgat	180
	gccccatttg caggcaacct gttgaaaggc ttttgagat aaaagttcac ggtaacaacg	240
	gaagcgggaa taacaccgga caggagaaa cagttgaaca agagtagcta aacacggccg	300
	agtatggatt gaaatgccat cgaaatatta gtagtatatg catgtttgat ccttgtatgt	360
15	taacaacaaa atgtgtgatt gtcaattcat aatatagaga ttacgaaaaa aaaaaaaaaa	420
	ag	422

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 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 321

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	acttgaagaa atacaagcac tgctcaacaa ctctgtgcaa taatatcatt tttctttttc	180
	tttttgggta aatgatcata tatataagtc gattgtttgt atttggtgtg agtttgaatg	240
	tgatccgtgt gcgtatcaaa ttttggtatg gaaatttgaa acagtaaaaa tttgtatatt	300
	cctcgtttgg gaaaaatgta tgttttggtt agttatatgc aaaaaatgtt ttgaagaagt	360
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 35 <212> DNA
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<400> 322

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	cccaaaatct ttgaaatttg caaagataaa gaaggaaagct ttcatacaatt cattctcctg	180
	acaagctcgt tgatgaaatt ctccctgttt ccagcatcac caccttcgac gtagtggttt	240
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	gcttccttga agtgaggtcc aacagtcatg atctcgtgga tgagatcctc aacgcagatg	360
45	atcccatgct ttccgagagc ctgatccaca atggagttgt cagtaagtgc tcggacgcgt	420
	gg	422

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 50 <212> DNA
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<400> 323

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	atcttgaacg acgtttccgt caattcctgc tggaaaacca aacatattga aagaatggcg	180
	gctgctgttt cctctggatg atcctccttt gcttagagac cggcctagag acgattttct	240
	cagactagat tgtttgaatg attcaattga tgacatcttt tgctcctccg ctgcattctc	300
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gc 422

<210> 324
<211> 422

10 <212> DNA
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<220>
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tgtgttaaaa cttaagagtt actactaaag actaaaatcc ctaattactg caatatgatc 180
ataataagga ttgnnnacaa aactaaagag tacttaatta taaaaattgt ttataactaa 240
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accctctagt gacatgttat tgatgatcat atcgtggcct tgctcatcaa agagccattt 360
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ag 422

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gagaaacact gaatcggatt ttgtccacaa atctcacgct cttcttggtt ctccctcctt 360
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gc 422

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50 <212> DNA
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caggtccata aggaccttcc actcttacga ttatgttggt aatcttattt tcacaatttg 360

5 ccgcttcttc tattttgtta taaacagaat ttgtccaatc tccctcacat ttcatcataa 420
ta 422

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<211> 422
10 <212> DNA
<213> Arabidopsis thaliana

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aatagagttt acaactacat tcaatagaga aacttggttg aaagggttaa cactttttac 240
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tc 422

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gaaatttttag catgctggct gaggcaagat ccaaaccat caacctaaca gatgatatca 180
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ct 422

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aa 422

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5 cggcgtctcc ggcctcttta tccctaaatc cgggtaccaga tccgccgcta aagctgcttc 180
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15 <213> Arabidopsis thaliana

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 20 aattgctcct ccaccgaaag catccgacgc gcttctctct ccgttatatc tcacaaacgc 180
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 tctcatcgct tcgtttatct atctcctagg gttttttggg attgactttg ttcagtcatt 360
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 25 cc 422

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<211> 422

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30 <213> Arabidopsis thaliana

<400> 332

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 35 ggattcgtat gccaatcatt tgcgcagctc gagtttttca attgaccaga gagttaggtc 180
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 40 ct 422

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45 <213> Arabidopsis thaliana

<400> 333

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60 <213> Arabidopsis thaliana

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 gnttttgtct ctcctcctcc ttccatggat catcctcaga accatctaag gattttatcc 180
 15 gaagctcttg gacccatcat gcgtcgtggc tcgtcctttg ggttcgatgg tgagatcatg 240
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 agtgaagctg agagaagaag acgagagaga atcaacactc atcttgctaa gctgcgtagt 360
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 at 422

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 tctgcaacgg accagagata agcctctatt tccgttgctt tcctctcatt ggtcttctta 180
 35 atcagatcct tctcagttcc gttactacgg tgcaccccat cccagtgtct acccggttta 240
 atcccataacc ggtttgatgc agcttccaac cgtctcgtca accaactatg tttaggcaca 300
 ctttggtgta taatgaaccc agattttttc atctcctcat cgtctcctag atccacaaga 360
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 t 421

40
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 50 atgaacatta ccatcatcat catcagtaag tttatagaca gagagatctc tgtgtttcat 240
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 gcttcttttg cagttaatct gtcttgatga tcataccgaa gtagcttgtc gaggaaatca 360
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60

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 aatagtttat tctggaatta gtgagcctta tgagaatctg ggttttgctg agttgttggc 180
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 atgagatcac aagggtcagct gctttgcaac ctgatgctat tgatttccca acagagagcc 360
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 agaaactcaa catcggtggc gcaaaggcac aagggtcatgc ggagaagacg atggcaagga 180
 ccaaaaaaga gaagaagttg gcccaagagc gagagaagtc taaggaggcg caggccaaag 240
 30 ctgacctcca tcaatccaag gctgagcatg ctgaggacgc tcagggttcac ggccaccatc 300
 ttcccgggtca ctccacntan nctacccgag ccaccggagc taattaccg cggggacaga 360
 tctaaaacta gctctatagc tatattaaga ttagccgcct tgtttaacaa tatgatatgt 420
 a 421

35 <210> 339
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 339
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 caccgttcta aagcagctta tttctctctt gcctctgctc tctcttctgg agcttggtgt 180
 tatggctcta tggctacgag tttcttcgcc ggacatatcg ctgcagctat cccttctatc 240
 45 taaaaagacg gtgctggctg tggagcttgc tttcaagtca gatgcaagaa ccctaagctg 300
 tgtagcacta aaggaaccat tgtgatgatc acagacttaa acaagagtaa ccaaaccgat 360
 cttgtcctta gtagcagagc ttttagagct atggctaaac ctattgttgg tgctgacaaa 420
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50 <210> 340
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 340
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 aatctctttt ttagtttcag accctaaatc ctaggttttg aagttttgtt tctttagtaa 120
 ttttgtcagg ttttgtgtct ggtgttggga tttttcggag cttggtttct tgaaccagct 180
 ccattttcta aaaattcctt ctttaaattc ccattgttgt aagtcttaaa gaaaaagaa 240
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5 taacgctcga tgcaactctc gttaccaaac cgattcatca gttcatggaa gtgatacaac 360
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 t 421

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 10 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

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 tcaacaattg agtttgtttt ctttctaccg aaaagaaata ttcaataatg ttaaggtttt 180
 gaattgagtt tgatcatata aggttgagac catattgtaa aataataaca gatgacttca 240
 tgcccttgta agccgcaacg cctcagcgaa taactccttg agagaagcgt ttgaagccgc 300
 20 gatcctctgc gatgttatgt ccaaactctt accggatgga tcaaagatga gtccaccagc 360
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 25 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

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 aaacagttgg aaaaggctca aagcgatgtg gcatacagaaa actgggacta cctgagtaac 180
 attgttggtg tccaagagag aaaactccct tacatcgtct cccgatgccc caaaatcctg 240
 actttacgcc tcgatgagag actcatcccc atggtcgagt gcctctccag tcttggaagg 300
 35 aatcctcgtg aagttgcttc cgccattacc aaatttcctc caatactctc tcatagcgtg 360
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 aatgagttcc tgagctcctc atccaaagga tctgtgctta gtaaataattt aacaatctga 180
 gtagttttct tcttcatcaa agaatcccta aatcatactt tgtaattctt gtggcataat 240
 ttcagaaagt agaaagttag atcgaagtaa aaagaagcta ataaataaaag caagcattta 300
 50 gggatcagat ctttcaaaaa aggggcctat tcaactctta tcttcttttt gctcaccatc 360
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 55 <211> 421
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ttcagaagca ttctttgtaa tggatgtcac agacgaggag aaggactcca aagtgttctt 180
tacagcattt tctccttggt taagtgaaga gctgaaggac tccttgaccc cagaagaaaa 240
gtcatcaacg cttagctttcg catcaggaag tgaagagctg aaggactgct tgagcccaga 300
10 agaaaagtca tcaaagctag ctttcgcatc aggaagttag actgaactat ccggagatat 360
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gtaatgaaat atctaaaatg tttgcccacac agagtaagat aatgatcgtt gtttgcagat 180
cacatggcca ttgggttcagg accagcagcg ttcagaatgt ctaagagtga gttttggggc 240
tccaattctt cgtgccaaag ctgcaactta tctccagggt aaaagtttct cgtcactccc 300
25 tctgagttga ttatgacagt ccgtacgaca ccaccactgg ctccatcacg ggcgatggct 360
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g 421

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tcccaccact ttgggtcttct ctccagctaa ccattccata ctactgttc ctacctcctt 180
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40 tgcaaatacg tagccgtttg gggatagcaa gacattcgac atggttgatc aaataagagg 360
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a 421

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45 <211> 421
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agagcagcca tcccttctt gaagtagtta ccaactggag atgcatagac aatgaatgta 240
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55 taaaaagtcc ctttccccaa cgcttggttg caagagcggt ttgtttaatt gcatatacaa 360
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c 421

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60 <211> 421

5 <212> DNA
<213> Arabidopsis thaliana

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atgtcaagct cgagatctct ccccttttcc acgttttgag tatcggagtt tatcttcaact 240
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cctatcttca tcactagatt cataatctgc tacttctatt tccttccgac tactgtgtcg 360
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g 421

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c 421

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g 421

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5  gcaaactcaa acttctcagc ttatttagta tttgctcctc ttaatagtcc tatctctttt 180
   gaccgttcgg tcgtcacccg gaagcctcat atacatggta ctgaggatct ttccaccagt 240
   cgcttctcca tgtttgcacc gttataccca aatgttcaga agacttttaa gtttgggtgaa 300
   agcaaagtat gttctttgtt ggaaatggaa agttgagaga tcttcaatgg cagagtgcct 360
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10 c 421

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25 cggcccgatt ttcacgatga aaatcgggtg ccgtcgctc gcggtgatct cctcggccga 180
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   ctaccgtgag atgaggaaga tgtgtatggt gaacctcttc agcccgaacc gtgtcgcang 360
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   gaacaagaca ctaaacaatg ttttctcaga acttgacact ttcttccaaa acgtgctcga 300
   tgatcatatt aagcctggaa gacaagatc tgagaacctt gacgtcgtag atgtgatgct 360
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45 c 421

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   <211> 421
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55 tagacagaat caaggcggaa tcgctattcc gtcggatgcg agctgctcct gtgcgggtgc 180
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   ccaattcgaa tctccgtgcg ttagatatct ttgattccgt caacattacg cttgattctg 360
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 20 tggggaatat taaaaattgc ctgatactga aatcaatctc ttgctgtcta gtgatggcta 240
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 c 421

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 35 caatcgggaa cctagctttg aaagtccgt tagcggcgaa gacaacgagc tccgtcgtgc 240
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 ccgcaatccc gtacattctt ttggagacga ctacgttttc ggagatccaa accctagccg 360
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 55 gaggcaaagt gaccagtcgg gtctctaaca cagctcaaca aaattatgga ggcaagcttc 240
 aaggactgta taaggcagtt gttgaaacaa caaggcaatg atattgcatg tatcatctac 300
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 aagtatctct ctacaagtca gtgaacaaaa agaataataat aggacacaat catcgcctcc 180
 tgatttctca aaaagctgaa ttggccacgt ctaaggagga gacatcatct cttctcagaa 240
 15 gctgatactt agttaatcag agagaagtaa atctccctct ccttcattcc ataaggcggc 300
 attttgctct ggaaaagcat ctcgagatcg cttttctagg gtccagcttg aaatggaaag 360
 ccaccattca tctgtcgcct cacatgctct ggtattagcc tgttgataag ctccggtgaa 420

20 <210> 359
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 359
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 attgacagag tcacagattc ttttttttcc tctctctctg ctctttgttg atctgtctgt 120
 gtgggattct tccttttagtt cctctgttga tctatccaat cgaatcttac gaaaattttc 180
 gagtgaagat gaggtcgtct caagcaccgg ttgtttgccc tagtgttcgt cccagacaat 240
 30 tgggtgtctc tgctttactt gtcaactgct ctgtttcgaa aactaggagt ctcagaaaac 300
 aattctgggg taaccagacc aaaaatgaca agtctcaggc tgctacagtg aatcttcgtc 360
 tgcattctcg gaggtataag agtatcaaat gtcttttcag ctgcgactct gatggtacct 420

35 <210> 360
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

45 <400> 360
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 gcggtgaaga ttgaaaggat cggtggaagg aaacgcggtg gatctgttgt gtcgagggag 120
 aagctagatg tgtggttgag agattcgggt gttgagatcg tgaagaatct tagagagtcn 180
 ncgttattga tgcatttata cgcggaggct aatggtggtt tgacgacgac ggcaacgaat 240
 50 ccaaaggcgg aggattggac agagatggaa ggaaagtggg gtagaggaga agagaggacg 300
 ccggaaggag ttatattggt ggagaagctc gcagacggtg acatagcaga tgatgatgat 360
 cacgatggtg gcgcgtgtgg ggaagataca agcgcgtggg ggattgtggc gcaaggaaga 420

55 <210> 361
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 361

5	ccacgcgtcc	gcaagaaata	ctcctgcgat	attcttcggc	tctggtgcag	ggagcaacaa	60
	atgtgttctg	gatagacatc	cagacaaata	cgaggcgctt	ccaaagtctc	tttcggtatc	120
	tcctggagga	agttgctttg	gagcagatac	gattgaaaaa	aattcccatt	caggctcaga	180
	gggaactgta	tctcttactc	tctaggttca	ttttctttta	caattcagtg	gataaaactcg	240
	atagcttctt	gaggaacttc	ccagagtttc	caaatacgtt	cttgattgga	ggacctggag	300
10	atttccttgt	tatcgaacta	actgatcagc	tgcaaaaact	gaagggtgga	ccagtgtctgc	360
	tacattatct	ttctcagatg	aagattcttc	aagggtatgga	actgagaatg	actactagca	420

<210> 362
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1) ... (420)
 <223> n = A,T,C or G

25	aatcctcaca	gcagatcacg	tgctaatac	atgggtccgg	ggcttactca	aaccgctgat	60
	gctatgtcca	ccgtgacgat	aacaaaaccg	tcactgccat	cagtccaaga	cagcgatcga	120
	gcttacgtga	cgtttcttgc	tggaaacggn	nattacgtga	aaggagtcgt	tggtttagcc	180
	aaaggggttaa	ggaaagtcaa	atcgggttat	ccactcgtag	tagcgatgtt	acccgacgtc	240
	ccggaggaac	accgtcgtat	acttgtggat	caaggatgca	tcgtccgtga	aatcgaaccc	300
30	gtttacccac	ccgagaacca	aactcagttc	gccatggctt	attacgtcat	caactactct	360
	aaactccgta	tctggaagtt	tgtggagtat	agtaaaatga	tatatattaga	tggagacatt	420

<210> 363
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

40	cttttttttt	tttttttttt	tttatgtcat	tgtctttttc	atttggtgat	aaacgtccat	60
	ggaaataaca	ttcggtttctg	cgtaacaac	aaactctgaa	tgtgatgttt	actttgcagc	120
	aacaaacttg	aaaatatgaa	caaaggtccc	aaagaaatga	acaaaatgag	cagctttcat	180
	tccatcaaat	acttcatccc	ataagtgtct	tcactttttc	attggcaacc	acgagttccg	240
	ctgatattcc	tggctcattt	gccgagtgcc	cagcatcata	aacaatcttg	agttctgcct	300
45	ctggccatgc	tttgtgcaga	tcccaagcag	acatcatagg	acagcatacg	tcataccttc	360
	cctgaacaat	ggtggtcttg	atatgtcgta	ttttatcaac	attgtctagc	aagtgtgagt	420

<210> 364
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

55	tttttttttt	tccgaaacaa	aatcagattt	gagtaataaa	catatgatac	acactcatgc	60
	aaacaaagcc	aaaagaaatt	gaaaactcaa	tgagaaacga	aagcattata	ttgcacataa	120
	ttataaagat	ggatttgtat	taataagcat	gggttaaccct	ccgacagatg	cgcctgatct	180
	ctcccttggc	gcctgtcaac	ggagagatat	ttcccatctt	taccatcgat	atagcaaact	240
	gctcaaagaa	ggcctcttga	ttctcagcgt	atagctccac	cagctccttg	gactgtttgt	300
60	tcttcgtgaa	cagaatctca	tcagagctca	atagaccttt	gtacattatc	aggttcttga	360

5 agtagtggtt gtcaaacttg aacggtgtcg cgaagtcgag gaagaatagg gtctggtcac 420

<210> 365
<211> 420
10 <212> DNA
<213> Arabidopsis thaliana

<400> 365
15 tttttttgct taaaggaaat atatatgcag acacaacaac caaaaacaca agctggaccg 60
accattgacg gtctgtctact gactacaaca agttttttccg caaaaaagaa gaaaaatatt 120
gttaaccagt ttggtgtatc tgattatcaa atcaagaaaa aggtaaattc actgggaaga 180
cacaaaatat caaaagctga aaactcaaaa acctcttctg aaaatttgcc actaagtggg 240
ttctagattg tggagacctt ggggacttca actggggaact catgaatttc atccatccat 300
gggtttcttct ctttcttagg gtttaccgac cttaccgctc tccaaaccga gctgttgac 360
20 ttgaaccccg aaccaaagc tatctgcaa attctatcac ctttcttgat ctttctttg 420

<210> 366
<211> 420
25 <212> DNA
<213> Arabidopsis thaliana

<400> 366
30 tttttttttt ttttttgaca atacaaccgc taatgactca ttaaaagaaa tctctaacta 60
aattctacaa aattcatttt gaaaaaaatt gctacaatac atggaatgaa gatttcctgc 120
tctaactgac gcttcattca ctcttcttct cgcacataag aggtagaagg caacctgaat 180
ttaatttcaa agtatctctt cttctctctc aagttacata atgttacact cactcttctt 240
cttcttcttc ttcttcttcg gaagattctt ttgatttctc gatttctgtc acctcgtttt 300
ctgaggttgc tgtgtcgtct atcttctcat catcatctcg tagtgtctgg cttgacgctt 360
35 gaggatctga tgtccgagta tggcttggtg gttctggagc actcgagtcc gacacttgag 420

<210> 367
<211> 420
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1) ... (420)
<223> n = A,T,C or G

<400> 367
50 tttttttttt tttttttttt tgaaaccaa agaggtcaat tatcaaatg attgtttata 60
tatggtcagc aaancngtac cgacacatca tgggaacatt aggaaaacta aacctcaagc 120
tcatgaggtt attaaangtt cattttataa caaaacttct ttattcgaaa caaagctctc 180
actgattaaa ccagctgaga aaagaccggt ttaagagagg catgagtaag caaggtcctt 240
ctcttccttc aactcctctg ctgtcaaate catcttcttc ctcgatgcgt catcaatcgg 300
taaaccttga acaatggctc actctccatt acggcaggtt acggggaagg agtagataag 360
55 tccagctgga acattgtagg atccatctga gtatactccc attgaaacaa atgtgccttc 420

<210> 368
<211> 420
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 368

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	tctgagctta	tgaggcaaac	gtacacgagt	attgtctagg	gttttcagaa	aaaaagagga	120
10	aaactcatat	tccgagtcca	cagcttctgg	gctacatgca	gactcgtctt	tgtttgacaa	180
	aacacatccg	tttgacgcta	ctagacaaca	tgtacattcg	aagttgtgaa	tcttccgatt	240
	aagcttagga	atcacgataa	attgattcta	ccgattaagc	ttaggaatca	cgataaattg	300
	attgagccat	ccacttcaga	tgcagctgaa	gcttgcccgt	tttggtattcg	tctaattggg	360
	accagtcttt	gtactcctct	tccattataa	cccttggtcaa	cgtagaggata	catctcccaa	420

15

<210> 369

<211> 420

<212> DNA

20 <213> Arabidopsis thaliana

<400> 369

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	ctctatacaa	gccatttaac	ttaccagact	ctaaacaatg	agtttacact	ttattcgtca	120
25	agccagtcta	ggctgaagca	tttctcagca	gcttcgatct	ttaaccctgg	aacagccttc	180
	tcaacttctt	cccacataaa	tgcaacgtcg	gtatcgcaga	ttacatggcg	cagagacttc	240
	agtgaacag	cagagctcgg	tctatccgag	aagcaacatt	ctctcatgtc	gatcttctca	300
	agcttcttta	gctttcctat	ttcctctgga	agacaactca	ggctgacaca	ttgtgagatg	360
	tcgagatact	taagcccagg	aagctcacat	atttctccag	gtaatgtctt	tagctcaggg	420

30

<210> 370

<211> 420

<212> DNA

35 <213> Arabidopsis thaliana

<400> 370

	gcggccgccca	tcaaaggcct	atgttcattt	gtatccactg	gactcaattt	ttccccaatg	60
	aaagtacaag	gtatgcacat	aatcatatct	tacatttcca	aatacagaag	aaacgttcag	120
40	gggcagtctt	caaaggaacc	gtgtcggcat	taactcgttg	attctaaggg	gcatactata	180
	gaactcatcg	ttcctgccgt	ctccgttctt	gtgctggaag	ggcttccacc	acgggattcc	240
	tcttgcgctg	tcacttgcat	gtcttgcttc	caacgtgtta	tctagtatgg	tcgcaagaat	300
	ggtcgccacc	aacggagccg	aagcaaatat	cgtattaagt	atatcgttga	accatcctcc	360
	tgctgtccta	actgggtccat	atcctgctct	tgaagtgttg	gcaagaaagt	actgagcgat	420

45

<210> 371

<211> 420

<212> DNA

50 <213> Arabidopsis thaliana

<400> 371

	gcggccgcct	tcaaggccga	cattatctgg	gattcagatg	aaagtggaga	aggggatgctg	60
	tgtggctgtc	tgtggcacag	ttggctctgg	aaaatcaagt	tttatctctt	gcatacctagg	120
55	ggaaatccca	aaaatctctg	gcgaagttag	aatatgtggg	actactgggt	atgtgtctca	180
	atcggcttgg	attcagctctg	gtaacattga	agaaaacatt	ctatttggca	gtccaatgga	240
	gaaaacaaag	tacaagaatg	tgatacaagc	atgttcccta	aagaaagata	tagagctttt	300
	ctcacatggg	gaccaaacta	ttatcgggga	gagaggtata	aatctcagcg	gaggtcagaa	360
	acagcgtgta	caacttgcaa	gggcattata	tcaagatgct	gacattttatt	tactagacga	420

60

5
 <210> 372
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 372
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 tacaatggaa ggatcaacaa tcttcagaga aagccaatca gcaccagttt tacaacgagt 120
 acctttacgt ttctgcatat tgtaaggat gggacaggag gaaacttgtc ccactggaac 180
 15 tgacccttgc cgttttgatt tgctttgtct tgatagcttc aaagctatgt tccgtcgatt 240
 cctctgtgta tgaccacac aaaacctga agcagcgggt cgagaagtgg cttaaaaccc 300
 acagcaaatt atatggagga agggatgagt ggatgctacg gtttgggata tatcagtcta 360
 acgtccagtt gattgactac atcaactccc tccacttgcc ctttaagcta acggataata 420

20
 <210> 373
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1) ... (420)
 <223> n = A,T,C or G

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 tataagggtta actaaggatt gtggaatcag aagtgttgtg tttttgtgat cggagattat 120
 ggattgggga aacgtaacgg ttgatgatct ctccgatgct ctccgagaag ttgactggtc 180
 35 gtctccgccg cgtcctccgt ctgagttctt ctcaagggtc accgttccta aatctgtccc 240
 taaatgggat agtcgcctca agtgcaatct ctactactac cgaacaaaact atttcatcat 300
 gatcgctggt atacttggat tgggagtcct tacaaggcct ttannnnnnt tcgctgcgct 360
 tttgacagca ttaagtttgg catttctaaa tgacagcttt gcagggttctt ttagtgagaa 420

40
 <210> 374
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 374
 accggaacat agtggacttg aagggagcct acgaggacag acactctgtg aatctgataa 60
 tggagtgtg tgaaggagg gaattgttcg ataggatcat ttctaaaggc ctttactcag 120
 agagagctgc tgcggatttg tgtaggcaga tggatgatgt tgtgcatagt tgcattcta 180
 50 tgggtgtaat gcaccgagac ttgaagcccg aaaactttct ctttcttagt aaagatgaga 240
 actcaccatt gaaagctaca gactttggtc tctctgtctt cttcaagcca ggtgataagt 300
 ttaaggatct tgttggaagt gcatactatg ttgccccaga agttctaaaa cggaactatg 360
 gaccagaggc tgatatctgg agtgctggtg tgattctata catccttctc agtgggtgttc 420

55
 <210> 375
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60

5	<400> 375	cgaggtactc	agaacacgtg	gatgcttaca	gagccgcctg	tggacaccac	ccagacctca	60
		aatcctttga	ttctaagatt	cagcagcgaa	cctccaatct	gatagactcg	ctcaccggtg	120
		aagccaagac	tgggtcgggt	tccccacacg	cggtagacaa	ggaggtcatt	gagcacctag	180
		ttgaagtaag	caaatacggtg	gcagacgtca	ttactgaatg	cggagaagaa	gtgtgggaga	240
10		acggaactct	acaatctctg	gtcaaggact	attttaacag	taccatggag	actttgaaga	300
		ttttcgagac	tgtaacgcaa	tgcggtccatg	aagcaaaaag	gggccaacgt	tacattaaag	360
		cggccgtggc	acagttttaa	aaagactcgg	aagaaaagga	cggttggtgtt	aaaaagaaga	420
15	<210> 376							
	<211> 420							
	<212> DNA							
	<213> Arabidopsis thaliana							
20	<400> 376	cataataact	caagtgattt	ctccaaagat	ttaaaagacg	aaattgccct	cttctgcagc	60
		agaagataat	gctccatctt	ccattttcacg	gagggcagtt	gcagttgaat	catctattcc	120
		cagcagatat	tgtagcctca	aaacttttttc	cgggtgcgggt	ttgggatcac	tctttgaata	180
		aatagcatat	agatcagata	attcctctga	gacctcccat	gacattggct	cagccggcac	240
25		agctttgtca	catgcaagca	aatcattcag	cgacaagacc	actcctttag	agtttctctg	300
		cctgagtaat	gccacggctt	ggaccagcga	attcgataat	ctactctgag	cgagatcatg	360
		gacaactctt	ttggcttttt	ccacatcaat	actgagatcg	gatgggattg	tctggtagac	420
30	<210> 377							
	<211> 420							
	<212> DNA							
	<213> Arabidopsis thaliana							
35	<400> 377	gaagcttgat	actagtgggt	tcgagacttc	catgcctatg	attggatttg	gctcgagcag	60
		tgatatgctt	gatgagcttt	cttctgtacc	ctcgtttgat	ctaccccgta	ctaaagagtt	120
		tgatggattt	cagaaaaaag	ctaaagacat	gttgaagcat	gcaaaaaggaa	caaccactct	180
		cgctttttatc	ttcaaagggtg	gtgttatggt	cgctgctgat	tctcgggcta	gcattggagg	240
40		atatatctcc	tcacaatctg	tgaagaagat	tattgaaatc	aatccttata	tgctcggtag	300
		aatggctgga	ggagctgctg	attgccaatt	ctggcacaga	aatccttgaa	ttaagtgccg	360
		tctacatgag	ctggcaaaaca	agaggagaat	ctctgttttc	ggagcttcga	aacttcttgc	420
45	<210> 378							
	<211> 419							
	<212> DNA							
	<213> Arabidopsis thaliana							
50	<400> 378	tttttgctga	agattttcttt	ctattgaaga	aagaacaaag	gaaatctgcc	aaactttatt	60
		cagattttcat	tactaaagaa	tcttgcagaa	attacaataa	tcaattgcaa	tcatcaggaa	120
		atgaacaaca	atcccaatag	tgtaataatt	aatcaagaaa	actattggaa	atttaattcta	180
		tttttatttta	tttctaacta	ctagcgttca	ttcaagaagg	cttggacttg	acttagctag	240
55		aggtagcgtt	tgagagcaac	agcttagctc	ccttgacaag	ctcttccttg	atcatgaaca	300
		gaaccgcagc	agctaaaacg	ctctgcacaa	tctttgtgct	catccctttg	taaaacccgt	360
		aaagcccttc	atatcgaatc	attttcagaa	tcgcgtccaa	tgttcctttg	tattgttgt	419
	<210> 379							
60	<211> 419							

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

10 <222> (1) ... (419)
 <223> n = A,T,C or G

<400> 379
 15 acctagggtgt atttggagaa ccgaggtaag aacaaacact ttgaggaaca aagtnntgcg 60
 aacatgaacc gtgttgagaa ctatcagtct gtaacacgga agaaatgtag gtgtcgggtt 120
 ccagtacacc gagctcttgg tttgggttcag aaacagttga tgaagagacg tatctgtgtg 180
 cagggtcaat ggaacatcat gaacggacac caaccaacca tgcacaaatc ccttgtaacc 240
 acacggtttc agcagcaaca agctggttat gtaggnnnag agatttgtga gacagacaaa 300
 caagacttga ctcatcctct tccgtagact tccatgcac cggtaaaca tgagcgtcgt 360
 20 gaaaatctga atcagaacat catctgcaag cgccccgata tgttgggtga gaagagtgg 419

<210> 380
 <211> 419
 <212> DNA

25 <213> Arabidopsis thaliana

<400> 380
 30 tgcagcggcc gcccgggcag gtgtcgctta gctccgattg gttcgtcgtc accatcactc 60
 gtcttcaacg atttgcttct ttttttttct ctctatttag tcccattttc ctcaatttct 120
 aaacccttta tttcgaaatc attgttttgc tctttctttt gattcgaatt cgacagaaca 180
 gctcttttaa gttattcata aaccttgtgt ttgagttttg gtccatcgag tatatgggtc 240
 gtggctcagt aacatcgctc gctcctgggt ttcgttttca tcccacagac gaagaactcg 300
 ttcgttacta tctgaaacga aagatctgca ataaaccttt taagttcgat gctatctctg 360
 ttaccgatgt atacaaatct gagccttggg atctcccaga caagtcgagg ctgaaaagt 419

<210> 381
 <211> 419
 <212> DNA

40 <213> Arabidopsis thaliana

<400> 381
 45 atggaagtgt tccgatacta tctaggagga agaaaagtgc aattatgtgg attgggtcaa 60
 tacgggaatc tgattggaat aacaatcggc tacacaatca cagcttcaat tagcatgggtg 120
 gcagtgaaga ggtcgaattg tttccacaaa aatgggcata atgttaaatt tggcacttca 180
 aacactccct tcatgatcat atttgcaatc atccaaatta ttcttagcca aatcccaaatt 240
 ttccataacc tctcttggct ctccattctt gcggccgtaa tgtccttttg ttatgcctcc 300
 atcgggtgtg gtctctccat cgccaaagcg gcgggtggcg gtgagcacgt aagaacaaca 360
 ctgacaggag ttacggtcgg gattgatgta tcgggtgccg agaaaatatg gagaacgtt 419

<210> 382
 <211> 419
 <212> DNA

50 <213> Arabidopsis thaliana

<400> 382
 55 actgaattcg ttgtcactct cattgctgtt gatgatgaga tctctgtaaa tgctgcaatg 60
 cttcaggaag gaatagcgag aatggagaaa cgtcagaaat gggggcacia aggcaaacia 120
 gctgctcttg atgcttttag gaagttccaa gaggaagctc gcaagtgcag aattggaatc 180
 tggcagtagc gtgacattga gtccgatgat gaggacactg gtccggccag aaagcctgct 240
 60 ggtggtcgcc ggtaaaatta taaaaaccga taagtctgta tatggttcaa agggaacatg 300

5 aggtagggag agaagcttcg gtgtgtttct ctaaagagtt taaagacatg tcgaactttt 360
tgtaagggtt tagatttggt tcttctcttc ttcttttaat ttatatacgt ttttagactt 419

<210> 383
<211> 419
10 <212> DNA
<213> Arabidopsis thaliana

<400> 383
tttttttttt tttttttttt ttttagcaat cacaagcccc gaacacggca atgctctttc 60
15 attatcaaac aaaataaatt atgtttactc acaaagtttc ttcaaacaat agtaaccaag 120
cagagcatta ttatcaatat gtttacaaca cacacacatc aagccagggt tctcgaactc 180
tttcatgaga agaggctctc aagcttttgt tctcaccaca agaactgggc acttagcatt 240
gttaacacag taattgctaa cacttccaag gaaagtcctt tgtaatgctc ctttaccatg 300
gcttccaacc acaagcatat caacaccaag cttctcagca gcttcacata tcgcttcttt 360
20 aggatttcca aattccaaca ctttcttggg agtaacccca gtctcagcac aaattttggg 419

<210> 384
<211> 419
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)... (419)
30 <223> n = A,T,C or G

<400> 384
gcggccgcgg tctggatacc gatggaaatg agctgcctag actcatctat gnnnctcgtg 60
aaaagcggcc tggatttcaa cacacaaaaa ggctggagct atgaatgcat tgatccgtgt 120
35 atctgctggt cttaccaatg gagcatatct tttgaacgtg gattgtgatc attactttta 180
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gtgctgctat gtccagttcc ctcaacgttt tgacggtatt gatttgcacg atcgatatgc 300
caacaggaat atagtctttt tcgatattaa catgaagggg ttggatggta tccaggggtcc 360
40 agtatatgtg ggtactgggt gttgttttaa taggcaggct ctatatgggt atgatcctg 419

<210> 385
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<212> DNA
<213> Arabidopsis thaliana

45 <220>
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<223> n = A,T,C or G

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agacagagcg gcgatggagg cgggtggttt gttattccgg cgaagaggaa gatccagtat 180
55 agttcgatgg ttgtggttgc ggcgccggga cagagtcggt gtgagcctgg aagcagtcta 240
aacgcgccgc ntgagccacg atcggcgagc gggaggtttc tgagaagcgt gttgctaaac 300
aaacggcagc tatttcatta cgccgcccgt gatgagctaa agcaactggc tgatgatagg 360
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5 <211> 419
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 atatttcaag atcctttaag tatgattctc ctaatcgcat gttcacattt accaagtgat 180
 ttgaaacaag gcagtcctgcg gccaatgtga ttttggtcag tctatttgtt cttctccatg 240
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 15 tgcattcttg tcgaattcct ctgaaggaac cagtcctgca ataatctttt cttgaccgcg 360
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<210> 387
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 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 387

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 gagctgaaaa agccatcttt gtctttgtca agaacacatt accaccaact gcggcattga 180
 tgtctgcaat ctacgaagaa cacaaagacg aagacgggtt tctctacatg acatacagtg 240
 gagagaacac atttggtgga tctttctact gctaattacc tcagcttcta cgtctgatcc 300
 tcttgatgat tgtacattct cgtcgacctt aataatgtca ttttactttc ttggtttaac 360
 30 cttttgagct ctcttactat ctcttgcat tgaagatggg atttgaaaca agattctaa 419

<210> 388
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 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 388

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 gaagaagagg agccgatggg cggacctgga ccagctccac gaggcaaacg caagcgtccg 180
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 ggaagtatgg atggtcactt gaaattttgg aagaaaaagg gtgttggtat cgagtttgct 360
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<210> 389
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 <223> n = A,T,C or G

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 atctcatggt attgacagaa ctgccgaatt aacggttgga cgctttggtg gtatcgatgc 180
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5  attatcaaag ctattcaatc tgttggagac atctcataaa ggccaaattg ttgggggttat 300
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10 <211> 419
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<400> 390
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   tcctaagcca ctactccctc acggctctgc ttctccgtcg gtttctctcg gcttctccag 180
   gaaagttggc ggcggcagag cagtggctcg tcgagcggct acggtggaca caaacaacat 240
   gccgatgacc ggagtcgtgt tccagccttt cgaagagggt aagaaagccg atctggccat 300
20 tccaatcaca tctcatgcct ctctcgctcg ccagagggtt gccgacgcta gcgaggcagt 360
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<210> 391
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25 <212> DNA
    <213> Arabidopsis thaliana

<400> 391
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   tctaactagg gtaccacttg gttgaggaaa tgccctcgag ttgaacttca accttcaaca 180
   tatcattcac aacaaaaccc tttgatgaat ctctgagatc agctagaggg ataacttgaa 240
   agtcgcccga gtaataaaaac caagaagtgt accaattact aacttgtatt tcgacgttat 300
   tgagtttgcg ttggttaaga actcgaagct tggctcgaac ataaatcatc tcaaagggtt 360
35 tgaatttatc gttaatgtta agatacagcg acatggcctt tccctttgaa agattacga 419

<210> 392
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<212> DNA
40 <213> Arabidopsis thaliana

<400> 392
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45 aaaaatcaac agaactctgca ctttaatgaa tcagaaaagta ggaatgggtt tggagccgat 180
   gaactgtttg agaatcgctt tctcttcgtc attccgtttc ttctcttctg cgtttttcgg 240
   atttactttc cttttctcct ccaacatcca tttgaagagc tcacgttggt gtttctccgg 300
   aattggctca cgtgccttga tcaccactgg ctctgcaacc actgtggaag acaaagtttt 360
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tgagtaaaaa ggatgattca tttgnntct gtttgaaccc gcaaatcatc ggtaagcta 240
10 acgaacctga ttcctaactg ataaagctgc taaaaggggt tagcttgagt taccggcata 300
taaacacatt gcattctgatc tttgagaatc atccttggct aatgctacct tcaaaggttg 360
tttttagtca taagctctct ctttaagcgt tagacatcag tatgccaac cgggcggtg 419

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25 caggtctttc tcttgatcgt tcttctccaa attccaaatc ttctgttgag agacgatcac 360
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cagaccagcc ttttccagca aaaaatatca aaaatcagag ttgaaggga ctttggttagc 180
cggcaaccag ttattgcccgt ctataaaagg tttcacgta aacttatttg ctctcttctt 240
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ggaatttaag tactcggcgt aaaagatcgt gtctggcgcg gtatctcctg tccacggtaa 360
40 ccaccctttc ggggtgatga atttgtccat gaacgacttc atgataaccg ttgtagaga 419

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55 cggcatattt ctgatctttc gttctcgggt gggttttgggt ttctgggtat tgattgattg 180
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gttcttcttc gtcgttttgt tctgcaacaa cgtttcgact tcgtcttctt catctgaagt 360
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 aaaagtgttg aatgaaaggg ctcaagattc tagcccagaa gccgatcccc agagctcttc 180
 atcagaagag gatgagaatg acaacgagga gcaccattcc gacacttcct tgcagttggg 240
 20 gttgtcgtcg acgggggtatt gcacaaagag aaagaagccg aagatcgaac tgggtctgcga 300
 taactctggg agtcaagtgg cttctgattg atggaatcga ttatttttct aattctgggt 360
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 atttgattcg tcgctcaaaa tcattgcgtg ctcttcgtga tcttgctatt gcaaagacta 180
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 35 ccatagaggg agttgatgtg atgggttcgag gagcgaagag atcaatgggt gatgagctgg 360
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 55 tccccagatt caattctcat gcttaccgag gaagaaactg atccatatcg tatcccgac 419

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gagaaaaatg	agtgaagag	atgatggatt	ggggctaagt	ttgagcttga	gttttaggttt	180
10 taatcaaaag	gacccgtctt	cgaggttaaa	tccaatgcct	ctggcttctt	atgcatcttc	240
atcacacatg	cagcatatgc	agcagagcaa	ttataaccat	cctcaaaaga	ttcagaacac	300
ttggattaac	atgttttcagt	catcagagag	aaactcggac	atgagatcgt	ttctccgggg	360
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50 gattccagcc	tgatctattc	attntcctcg	aattattctg	caacagattg	ctgaaatgtt	360
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55 <212> DNA

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<400> 403

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 aatgcccttg aagtaaataa gaaaacaatt aaagctgaga atgatttaga tgttgctgca 300
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	agaaggtcat	tccttttttt	tttatcataa	tcaattccca	ttgcatcggt	gaatcacacc	300
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	tccccatctc	cttattgttc	catcatcgct	tgctgaagcc	aacatgtgta	gattcgctc	418
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	<222> (1)...(418)						

5 <223> n = A,T,C or G

<400> 411

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10	gattgttttag	caaaccagac	agcgattttg	ccaaagattt	gaagacgaaa	aagaaataac	180
	acctatttcta	cccacttcag	ggcccatttg	gtggtatctt	ctcagggcctt	gagagcgaga	240
	gcaatcccaa	ccttggcact	cttatcgatc	gccttagaat	caacctctcc	agaaacgggtg	300
	aagaacgact	ttggacgcca	ctcatgttgg	atcagagcgt	tnnnacacca	gcattgttca	360
	ctcttgccctt	cactgtgggtc	aatgggtcaa	gcgcgtgttg	agttccgaca	gtgatggc	418

15

<210> 412

<211> 418

<212> DNA

<213> Arabidopsis thaliana

20

<400> 412

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	aaacttaaca	aaaagaatca	attctctatg	taaagttttc	tcgattcaac	aatagatcaa	120
	agattctgcc	agacattggg	acacggcttt	aagaaaaaga	aaataatgaa	aggccatata	180
25	atatggagta	ccttgattct	tcagcaaaaa	tttctcagga	cgaagcagag	aatgtcaaga	240
	aaacccctga	tctcgttga	tcgtgttcct	gtttcttcaa	tatgtggcag	taattaagct	300
	ccatacgga	taggcttggt	ggtaagacga	ttccagcacc	aactgaagtt	ctgaatgtct	360
	ccaagaactt	tggagcagtg	aagtttctaa	actcattctc	tgataacttc	gccatatt	418

30

<210> 413

<211> 418

<212> DNA

<213> Arabidopsis thaliana

35

<400> 413

	ggccgcccctt	ttttttttttt	tttttttga	tagaacttac	acttcatctt	ttattccaac	60
	aggcattagc	ccaaacatat	aaaccccaat	attctttttac	aattgaaatg	catcaagccg	120
	tcaacagata	tacacccaat	gacccaaact	gaacaaaaac	aaaaaaaagt	aaaacagaac	180
	agaagcaaat	gagggaggga	gggagagaga	gagagagaga	gagagataca	catggtggat	240
40	gatttttcagc	ttattcccag	ttgcagactc	caaagtttgt	tttatctact	attaaggcaa	300
	atgatgatcc	tgctgaatta	tttttagaag	atgtgaaggg	gcgagagata	ttacgtgaaa	360
	ctattgcaca	ccgcgatcag	gcagtcgact	tgaagttgcc	agattcaa	ggttagag	418

<210> 414

45 <211> 418

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1) ... (418)

<223> n = A,T,C or G

<400> 414

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	ggaaagtcta	aatccgccac	caaagtttgt	gcagagatta	aggccactaa	gccttttgaag	120
	aaaggcaaga	gagagcctga	agatgatatt	gacaccaaag	tgagtcttaa	gaagcagaag	180
	aaagacgtga	ttgctgctgt	ccagaaggaa	aaagctgtga	agaagggtcc	taagaagggt	240
	gagagctctg	atgattcaga	ttctgaatct	gaggaannng	agaaggctaa	gaaagtccca	300

5 gccagaagg ctgcttcaag cagtgatgag tcactctgatg actcttcttc agatgatgaa 360
cctgcaccca agaaggccgt tgctgctact aacggaactg ttgcaaagaa gtctaagg 418

<210> 415
<211> 418
10 <212> DNA
<213> Arabidopsis thaliana

<400> 415
15 ggggcegtc ctgctctctc gctttccctc tcaaactctcg atctctctct ctcctctctc 60
ctccttcttc ctctctcaat ttgacgaaac ctctccgacg tctcgattct cgttctctct 120
tactcaaate tccacttccc gtctctttac gccggagatc atcaactctc gttaaagcct 180
cttccaccgt agcttcagct tcctcttctc caactcctcc tttgggtcca gctccgggtc 240
catggcaagg agctgccatt aagcctcttc tcgcttcgat cgctactggg ttgattctat 300
ggttcggttc agtccccgaa ggtgtcactc gcaacgcgtg gcaattactc gcgatcttcc 360
20 tcgccaccat cgtcgggatc atcactcagc cgcttctctc cgggtgctgt gctctaata 418

<210> 416
<211> 418
<212> DNA
25 <213> Arabidopsis thaliana

<400> 416
30 ggggcegtc tctctctatc tatccccatt tccatggaag caagcagatg tgttcttaca 60
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tccttttttc ttctacttct ccttcccttt gcttcgaaaa gggatatctg tgatctttat 180
cgctcaaaaa tcttcacttt cagatcaggc cactcgttga tggaaatctgt gacagtattg 240
attactagag agtaaagaca agttctttaa atctcaggga agaaggaatt ggtgtttaag 300
attgctctgt gttaatgatg gttcaaaaa ctccagaagg atcacttacc aattccagtc 360
aaagtatgtc aatcaacact ttagcagatc aagtatcttc gagtttgtct ttcgctga 418

<210> 417
<211> 418
<212> DNA
<213> Arabidopsis thaliana

40 <220>
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<222> (1)...(418)
<223> n = A,T,C or G

45 <400> 417
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caaattgaat gaaggaaaaa angaaccaag tttcataact atagatatgg tggtatgtac 120
aaagcgctaa cacagtgaac tagccagtgt ggtatgggtga tattcttaag aaattttgca 180
50 gactaaacaa atcttcccaa cccatttcgc tatacactac cttcgaatgc catttctctac 240
gtctgtgaac ctgtcgacta atcattcttt tggtgtttgc accgaataac agtgtttgac 300
aatgcaggag ttgcttcata gttcctgtaa annngtcaag ctcttaggct tattagcagc 360
ttctgacttc attcaagtgg attcaacctt ggattataca gtgtagtctc caactgat 418

55 <210> 418
<211> 418
<212> DNA
<213> Arabidopsis thaliana

60 <400> 418

5 ttttttttatt tttttttttt ttttctcaaa tattttctttc atataaagca aatgaattca 60
taacataaca gagatacagt aggaaaccaa tacagagaca aactttacaa attacaaata 120
gactaacgct agtgtctcat ccaaaaccag aatttggtga aaaaattata attatgaaac 180
aagcacaagt tcatcaagcg aggaaaaagg attataaaag ggaacgatag taaccgaggc 240
tagaaggagt tccagttatc tgaccttttc gtagggcttt catccgaaga gactttaaag 300
10 ggacctgtgg aaccaaaccg gtctgcatca tcaaaccgagt atccatggct accactgaaa 360
tcctttgtac tattcataga gtcgaatctt gatagcgagg gaccaccaa gtctttg 417

<210> 423
<211> 417
15 <212> DNA
<213> Arabidopsis thaliana

<400> 423
20 acaagaaaaa ctagttgtat agagattttt tttggttcat cccaagatgg gctaaaaact 60
gtaaaaacgg atactaggaa ttgtatacac cacaaaatta cgtataagaa agtctaaaca 120
aaagtaaggt aaaaaaaacc aacacagtag taatccaaaa atccaaaatc taaaagaaat 180
agcctctata cgcttgggct gggcctataa cccgttgaag atccggattc atgaagtccg 240
ggttcgggct ctaaattgga tctccctctt ttcacagagt tcatcttctc caatttgagt 300
cgggctctga atcttgcat gaaatcatcg gctttgggat ctacgtcggg gctcggacag 360
25 aacatactcc cggcggcctc cttacttcca gctgattgag ctacatccgg atcatca 417

<210> 424
<211> 417
<212> DNA
30 <213> Arabidopsis thaliana

<220>
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<222> (1)...(417)
35 <223> n = A,T,C or G

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cacacctcg gagctataga agatcaacct tgtgaagctc ttgaagtaga ttttgcagat 120
gagtattttg gaggccttac tctgagttat gatactctac aggaagaaat aagggttcgtg 180
atcaaccggg aacttatcgc tggcatgatc tttttgcctc gtatgggatgc aaatgaagca 240
attgagattg ttggtgttga aagattttca gggtatacag ggtatgggcc ttcgttccaa 300
tatgctgggtg attacacaga caacaaggac ttagacattt tcaggaggcn aaaaacaaga 360
gtcatagcta tagatgccat gcctgaccga ggaatgggac agtacctcgg ccgcgac 417

45 <210> 425
<211> 417
<212> DNA
<213> Arabidopsis thaliana

50 <400> 425
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gattatcgcc gccgttcgct ctcgggcac tcaagactat ctagtgtctg cttctcttag 120
tggaacgcaa tcgatcaact cttcatcttc gtccattttc gtacctatct cattatctac 180
55 ttcctacggt cgaagcaa atgcgcttctc aatctcgcgg aagaatccaa aatcgacgat 240
tcgttgcat attgctgtga aatcgggcgc ttctgtagac gcggacgctg atctatcgtc 300
atctacgtcg ttggagacgg aggaagacga gaaagcgaag gagaagattg gagctagggt 360
taggggttac gttccgttga aagtttacca tgtggttcgt gtacctcggc ccgcgacc 417

60 <210> 426

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 426
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 gggtttcctta tggcgccagc tgctctccca acctgaaaat gcgctattgt ggacttgaca 120
 agccttgtgt tgaactgaaa gtcataaaag ttctttcctt tctccacttg caagcattcc 180
 ttatcaagct cttctctgga tcgaaagaga gactcgaaat ttttatagtg tagcaatctg 240
 ttctcacggt atctatccct cgtgtaattc aggcctctccc atggaatccc ttgaatatct 300
 15 tttccattcc tagcttctaa cgctgatgtt tcattgttcg tcttactctg actcagctcg 360
 aaatcaaaat cggagtcctat gaaatcggaa tcagaatcac tggtgacatc aacctct 417

<210> 427
 <211> 417
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 427
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 ctggtgctgg tcctgggtcat agtgtagcag tcacatcgaa aggagaagtt tatactttcg 120
 gatataataa ctctggacag ctaggacatg gtcataccga ggacgaagct cgaattcaac 180
 ctgttagatc attgcaggga gttcgaatca tccaagcagc tgctgggtgct gctcggacaa 240
 tgctaataag cgatgacgga aaagtattatg cgtgtggaaa agaatccttc ggggaagctg 300
 aatacggagg gcaagggact aaaccagtta caactcctca gcttgtaaca tctttaaaaa 360
 30 acatatttgt agtgcaagca gctattggga attactttac cgctgttctc tcccag 417

<210> 428
 <211> 417
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 428
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 gtcactgaat cgctaggatg gttaacggaa tcttcgatta tgccaaagaa gcacgcgcc 120
 40 atcgaagggtg ttggtccttc ctcaatcatg gagcttaaag ctacagctcta taagtctcag 180
 gaggaagcta aacagacaaa ggattttacg ggatccgatg ctcaatacca tcgcgccaaa 240
 gaaaggattg ccgccaaaga ttctttcgcc gcgaaaaact ccggcgctcg aagtcgcaat 300
 ttaaaggaca agcttgagca caaagctgta aaagatggag cagttagtta tgccgcattg 360
 gagaaaaagg ctcagttgta tgataaactt gctagaggag agctttctga tgaagaa 417

<210> 429
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 429
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 attaggagca ttggttcacc tcatcgaggt tggaggccac caatttagtg agggagactg 120
 ggatatgctc ttgaaaagca taagagatgc atcatacaca actcaaccgc tggagctgtt 180
 55 gaatgctttg agttttgaca atccgaaaaa gaacctagtt ttggcaggag acatagaggc 240
 cgatgcctct gattctccac gagttgatcg taatccggac gatattaaag ataattgggaa 300
 agtgtccgcc caggcatctc caaggattgg tactcatggg acttccttag aatctgggat 360
 accgcctaag gctgatggtt cggaaggctc tccatcgtea tctggaaggg ctcaaaa 417

60 <210> 430

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 430

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	gccgtctatc	tcccaattcc	gtgaccgttg	ttgttttagtg	aatcgatgat	ttacactgct	120
	atcgacaatt	tttacctatc	cgacgagcag	ctgaaggctt	caccttcgag	gaaagatggg	180
	atagatgaaa	caactgaaat	ctctcttaga	atctatggat	gtgatctcat	ccaagagggg	240
	ggaatattgc	tcaaactgca	gttatggcta	ctgggcagggt	tctgtttcag	cgattctatt	300
15	gcaagaagtc	tttggctaaa	tttgatgtca	agatagttgc	tgccagctgt	gtatggcttg	360
	catcaaaaact	ggaagaaaac	cctaaaaaag	ctagacagggt	catcatcgta	ttccaca	417

<210> 431
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 431

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	taaatcatatt	tatacaataa	acacgttctg	ataagaagac	aaacaaggcg	gacaaacacc	120
	cttagaagat	ggattgaagc	aaatatagat	caagtctata	ttgtgcctac	aaaatgagaa	180
	atctaagttt	cgagtatgat	caagtatctt	agcttttaggc	tagagaaacc	aatctctttt	240
	attcttttgcg	gtgtggtttg	atgtatagta	tggancctaa	aannnnctac	gtctaaaactg	300
	aagatccagc	caaacgtctt	cttgatgcat	ttgaagtcgc	gacttgaccc	aatttgtctg	360
35	actctttcga	gtcatccgtc	actattctct	ctctcactgg	tgtgtaatgc	ctcagcc	417

<210> 432
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 432

45	ccacgcgtcc	ggtggctcaa	gctttacttt	tggtttatga	gaaagcagaa	gctgaaggaa	60
	ggtacatctg	cataggccac	acggttaggg	aacaagaagt	cgctgagaag	ctgaaaagtc	120
	tttatctaaa	ttacaactac	ccaaagagat	acatcgaagc	ggatggaaaa	gtgaagggtga	180
	gttcagagaa	gttcagaaag	ttgggttgga	cttaccggcc	gttggaggaa	acacttgtgg	240
	attctgttga	gagctaccgc	aaagctaagc	ttgtggactg	aaaactggga	acgaatagca	300
	tatgagtgtt	ttgggtccat	gtgttaagtg	ttcctatctg	cacacgctct	ttcatctttt	360
50	actcaagaat	aagagtgttg	caacatattt	tccatcaaaa	aaaaaaaaaa	aaaaaaa	417

<210> 433
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 433

60	ccacgcgtcc	gagaaagagc	aatggtgaac	gaaatggtgt	cgaagatgac	aagtgtgtgc	60
	tgggacaaat	gcatcacaag	cgcaccggga	agtaagtcca	gctcaagcga	gagttcttgc	120
	ctcactcatt	gcgctcaacg	ctacatggat	atgagtatga	tcatcatgaa	acgctttaat	180
	tcgcagtaag	attgattgga	gatatcatat	ttgttgggat	tttaatttat	cctttttttg	240

5 <400> 437
aaaagcacat tgggtttaatc ccaaaaccca accaaagttt tcttcacaaa gtgtaataac 60
ttgaaacata cagagaactc ttgctttgtc ttacaaactt atacaaaaag tcaagagaaa 120
ccaaaacaga tcaaagaaac ccaaaagtaa aaagatttaa acaacaaaag aggtaataaa 180
taaataaaga aactaaacc aattgtctgg agataaaacc accaccgtga accaaaacca 240
10 atgtacagta acacaatgtg aaaaccacac aagactgata aacttcacca gcgagttgaa 300
ctaatatgag gttgttcaat gatgaactca gtaactgaat ggtgtctgtg ggtaaaggcg 360
gatcgttgga gcttcggaa ctttctggaa atgtcgggta ttgatctgaa gatgagc 417

<210> 438
15 <211> 417
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 438
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tcataaaaaat aaacatagat ccgagtaaat atagatatca ggtacaatga aaatcaacaa 120
ccctttgaaa tagaatagat ccatacactc ttactttgac aaaatagaat aggcacacac 180
ttattttgact atgattttgt taattttgaa atcacattta tagtcttcaa ttatgtttgta 240
aacaacctaa actttcacaa tttcgtccaa caatattttg aaattctcta aagagcttcc 300
30 tttcatggag aaatcttctt ggagtttttc ttttaagcttc ttggcattag nmttcatcgt 360
cttaccatca tcatgaacaa aaacatcatt caaacacttc tcaaatectt ctttcgt 417

<210> 439
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35 <212> DNA
<213> Arabidopsis thaliana

<220>
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40 <222> (1)...(417)
<223> n = A,T,C or G

<400> 439
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tttttatcta aatttaagct gctaaataat catcaaaatg taatttaaat acaataatgt 120
gtttattcaa caattatata tacacaaata tatatcaacc ctaaccagaa tgtgatactt 180
gtttaccaag ccatcaaate taccgtgctt taggttcatt gatctccgaa aatactcccc 240
aactcgaacc actcctctca tcaccaacaa ctagaacaga gtcacgggtc gtggtcgatt 300
tcccaacgtg tcctgtagtc ctactaaaca agtcactctt tccgtccgtg gtcgtaccaa 360
50 cttcaccact tggcattaga tccagagact ccacgttgtc attcttcttc ttagcag 417

<210> 440
<211> 417
<212> DNA
55 <213> Arabidopsis thaliana

<220>
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60 <222> (1)...(417)
<223> n = A,T,C or G

5

<400> 440

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	ttgaaaagtc	attacatcca	aattattttt	tttttagccat	gaaaatatac	nnnctctatc	120
	tcactctttt	attttttacag	tataattcat	atgtacatta	attgatctca	aacattgctt	180
10	tgtgtaggac	agtttttggt	acttttggtca	tatactatta	gagtgtaaaa	ggctcggctt	240
	ctgatggaac	ttcacgagct	ctttggctct	caagtggcat	atactgtgac	atgatcgtca	300
	taatctcaga	gtccatgtaa	gacctgaacc	ggtatttgta	gaatatataa	ccagctaaac	360
	cggctactgc	gacaatagct	agtatcaaga	gtgtgagcca	ccatgctggt	ttggatc	417

15

<210> 441

<211> 417

<212> DNA

<213> Arabidopsis thaliana

20

<400> 441

	cctctagagc	ggccgccctt	tttttttttt	ttttttatcg	aacaagtagc	atagatatct	60
	caacatgaaa	atctagtaat	acatgtaaag	aaagaagggt	aatgatattc	cgcattgttca	120
	tagataggac	tcgaatcttt	ctttaccaca	agaggggttt	acaatgatac	aatgatcatg	180
	tcctagaaga	gaaggatcag	atgggttggt	ctttgggaac	gatctgatcc	ttgatccaca	240
25	tgtagatagg	gattaacaca	aaccaggcag	ctgctagagt	tcccaggagg	aagcgtccca	300
	agaaggagaa	ggggttggtg	acaggcttct	ctacgtcctc	ttcctttgga	ccaagctgga	360
	gaggagagtc	accggaggca	ggtttaacac	cagtgcagaa	acatcccatg	ataaggc	417

30

<210> 442

<211> 417

<212> DNA

<213> Arabidopsis thaliana

35

<400> 442

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	tttgatattg	caggcctagt	gaaatatggt	ggctttgctt	tgatcaattt	tcataagta	120
	tcttcaaaca	ctggacagga	tcaagctcta	ccatctgcga	gctccatctg	ttcgtgtagc	180
	aatgtaattt	ctcagagaag	gagactgggt	aagaccatct	ggtgcaactg	tggtgttctg	240
	agttccattc	ttctgcttca	tccttctgcg	tgctatgtaa	cctctgacct	aaggagtaac	300
40	atcctcgttg	gtcttaatac	tgatgaagaa	gatgatgcgg	tagatgataa	tcattgctaa	360
	aatcacactg	aggttaatcc	attttgatcg	atgcaagtcg	atctgaaaga	cgttctc	417

45

<210> 443

<211> 417

<212> DNA

<213> Arabidopsis thaliana

50

<400> 443

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	atatcgacat	agctaattcc	gtcgagcctt	tacacatctc	tgagattgcc	aaagatctta	120
	atatcaacct	tcttcactac	gatctctatg	gcaagtataa	agctaagggt	ttgttgctctg	180
	cgtttgatga	gcttcaagga	caagaagatg	gatactatgt	tgttgttgga	gggattactc	240
	ctactcctct	tggagaaggc	aagagtacta	ccactgttgg	actttgccaa	gccttaggcg	300
	cttacctcga	taagaagggt	gttacttgtc	ttcgccaacc	gtcacaagga	cccacctttg	360
55	gaatcaaagg	aggtgcagct	ggtgggtggg	atagtcaggt	gattcctatg	gatgagt	417

60

<210> 444

<211> 417

<212> DNA

<213> Arabidopsis thaliana

5

<400> 444

tgagcaaacc	agagccgctg	ctttagctga	gcttagactc	atctccaaac	aagatcctga	60
tagccgtcta	atcatcgccg	acgccggagc	tattccgtac	ctcgccgaga	ctctttactc	120
gtcgtcacac	tctttctcagg	aaaacgccgc	cgcgactctc	ctcaacctct	caatcacctc	180
tcgcgaaccc	ctaattgtctt	cacgcggcctt	actcgacgcg	ctttctcacg	cgcttcgtca	240
tcacgacacc	accacttccc	ccgccgcggg	tcaatcctcc	gccgctacga	tttatagcct	300
tttgatagcc	gaagagtctt	accgacctat	catcggatct	aagcgcgata	tcattctctc	360
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15

<210> 445

<211> 417

<212> DNA

<213> Arabidopsis thaliana

20

<400> 445

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taaacatgtt	gaacacaaaa	gccaggtgga	tttggtgaca	gagactgata	aaggatgtga	180
agaacttgty	tttaatcatc	tcaagcagct	ctttcccaat	cacaagttca	taggagaaga	240
aactacagct	gcatttggtg	tgacagaact	aactgacgaa	ccaacttgga	ttggtgatcc	300
tcttgatgga	acaaccaatt	tcgttcacgg	gttccctttc	gtgtgtgttt	ccattggact	360
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30

<210> 446

<211> 417

<212> DNA

<213> Arabidopsis thaliana

35

<400> 446

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cttctagact	gttgttacgg	tggaaggtc	ggagtttggt	acggaagaag	cgccgacgat	180
cttccaacac	cgtcaaaagt	tggtcaattg	attcaacagc	acaacatcaa	atacgttaga	240
atctacgatt	acaattctca	agtcctcaaa	gcatttgga	acacaagcat	tgagctaattg	300
attggagttc	caaactctga	tcttaacgct	ttctctcaat	cccaatcaaa	tgtggacacc	360
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45

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<211> 417

<212> DNA

<213> Arabidopsis thaliana

50

<400> 447

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tatgttctat	ctacaagaga	agattataaa	gcgccattag	tagcagactc	ttttcttaat	180
aggacttgga	ggttgataga	ccatgggtcta	tctctaccgg	ccattctacc	aaggatccaa	240
tttataagag	ctactgccac	cagatttctc	tggtgtatat	tcaaaattct	gttattggag	300
ttcaaaaaga	ctgatctctc	tcattatggt	ttgtctgaag	atacactgat	acaagcatgt	360
ggaccggtta	atgctgctcg	gtatcttgaa	tcaaaactac	gagaatggag	tgatgat	417

55

<210> 448

<211> 416

<212> DNA

60

<213> Arabidopsis thaliana

5
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 cgctggacaa gggacttagt ggctaattgcc cttcttttgc tccaatgact cgagtgcctt 180
 10 gtttcgcaac tcaatttcaa gcctctttgg atcagattcc tccccctttt taatcttagg 240
 acgggcctca acttcacctt ctgaagtatc agaaagctct tgtttcttat gcttctcctt 300
 tccaccacga cgttcttccc ttttacgatg tctctcctct cgcctacgtt tcttctcctc 360
 ctttctcgtt ttcttctcct ccttctcctc ccttttagcc tccttcctat catcta 416

15
 <210> 449
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

20
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 gtctccatga ttatgagatg aactaacaat gatgttgtcc aagaaagttc cagttccagt 180
 ctcttgacca tcaccacgag taaaatggtt gacttgcca tcacctacat agattccgtg 240
 25 atgagcgtaa atgtaggctt gacgccatga atagatgtga tcgcctgggt tcacatcgtc 300
 tctggagatt ttattggaaa ggaatcccat cttctccacc gacgaatgga gaaccagaaa 360
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 <211> 416
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 <213> Arabidopsis thaliana

35
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 ttccgtttcc gatgtggttc taagtgggtg tgctctagtg tcttacagag ctgcaaattg 180
 tccaaggac aaagaacatc cttatgggtc tggtaaattt gaaacgcttg gagcacttgg 240
 catctctgcc atgcttttgg ctactggctc tgggtattgcc tggcatgctt tagacctttt 300
 40 atctattgca ctgtccgcag ctccctgagg aattcatagt ggacatcatc acggcattga 360
 tatgaatcat ccattctctg ctttgactgt tactattgct tccatttcta tcaaag 416

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 <212> DNA
 <213> Arabidopsis thaliana

50
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 taaacttgaa gaaaactccc cagctgggtg agttggctcg tgatagcaag gatgtggaag 180
 agctaattgag ttaccacctt gagaagatct tattgagatg gatgaatttt cagttgagaa 240
 aaactgaata caagaaaacc gtcacaaact tctcttctga tgttaaggat gcggaagctt 300
 acactaatct attaaatgtc ctggcaccag agcacaagaa tccatcacat ttagcagtta 360
 55 aaagctcatt tgagagagca aaacttggtc tcgaacatgc agacaaaatg ggatgt 416

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 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

5
 <220>
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 <222> (1)...(416)
 <223> n = A,T,C or G

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 gagatccctg gctcgtggct cagatgcaaa gcttggagat tctccatctc ttctctaata 180
 15 acttaacagg aaaaattcca gaaggagtaa cttctttgcc acgtctaaaa gttcttcagc 240
 tttgggtcaaa cagattttcc ggtggaattc cggcaaatct tgggaaacat aacaatctca 300
 ctgttcttga tctttctacc aacaatctca ccctgacact ctttgtgatt 360
 ctgnnnatct cactaagctc atcctcttct ctaactctct agacagccaa atccca 416

20
 <210> 453
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

25
 <400> 453
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 cctctgccgc aaaccagaga ccggtttgaa tttcgatcgt gatgtcatct ccggtttagt 120
 ctctatttgc gatcttgctc agcctgtcga tgccaaggaa tatctcgaca atattattgg 180
 aaaagaaggc aaaagcatca ttgcagaata tctacagcga agaggataca aagatccatc 240
 30 taaccatgta gcagccagtt caggtccaga actgcaaagc tatgttaagc caaaagtggg 300
 taatggtgct tctagtggaa ccaagaaacc gtttaaaaca ccaaagagg gaacatcttc 360
 taatcagcaa gctggaactg ggaaattaac agtccccgcc cagcaagtta atccta 416

<210> 454
 35 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 40 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 454
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 attttgctga agtttataat ttcattggga gtgtctttga tcctgaaacg agaggccatg 120
 tggaaaagct caaggaaatg gatcctataa atttcgaaac tgttctgtta ttgatgagaa 180
 acctcacagt taacttatca aaccctgatt tagaatccac ttcggtattgt aatgatgctg 240
 cagaggaaag tcctcttctc atatgacaac gtgacgaccg agtcccaag cgtnnnntcc 300
 50 cttgtcaaga nctcaacnng cgacaaatca gcataacaaa aatatgagcc atcagctagc 360
 aagtttactc attggtttcc catgtttaat aaactttggg gttatacgtc actgga 416

<210> 455
 <211> 416
 55 <212> DNA
 <213> Arabidopsis thaliana

<400> 455
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 tacattcctt ctttgtccct aaatcaaagt aataacaaac ttataaaacg attaaaatgg 120

5 tgcaagtaaa acataacatt ttcaggtgac tttttatgat ttgttccttt tcaagaatca 180
gtgtccattg gctacagatc catcttcacc tttcttgcca tagaatctcc ggtacaagga 240
atcaacctct ttcagataat aagttcccgg tgccaaaaga tctataatac cctccttggt 300
tgtcacaaag tcctttgctc catactatgt tccattagct tcattgtctc cacaaacttc 360
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10 <210> 456
<211> 416
<212> DNA
<213> Arabidopsis thaliana

15 <400> 456
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ccagctaaat tcggattctg agaaagtttg aagatggcac gaggcggtat atcttgccct 120
gttcgaccag gcacattgta tataatcgtc ggtcccatat gaagaacaga ctggaaatgt 180
20 gcaatcagtc cctcaataga agtcttgcca tagtaagggt ttatatgaag agcagcatgc 240
attccaaccg cgaatccttg ttcagtcgcy tggattgctt ctctagtcga attgcttcca 300
gtgtttccaa tgactttgat gcttcgccaa aaacagttaa cggtatggcc tataagcata 360
atgtgttcgt cccagctcat cagttgtcct tcaccagttg tacctcggcc gcgacc 416

25 <210> 457
<211> 416
<212> DNA
<213> Arabidopsis thaliana

30 <400> 457
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aggttcttga gaaccgagct gaggagctta agcttgattt tggagtttgg aggaatgagt 120
tgaacgtaca gaaacagaag tttccgttga gctttaagac gtttggggaa gctattcctc 180
cacagtatgc gattaaggct cttgatgagt tgactgatgg aaaagccatt ataagtactg 240
35 gtgtcgggca acatcaaag tgggcggcgc agttctacaa ttacaagaag ccaaggcagt 300
ggctatcatc aggaggcctt ggagctatgg gttttggact tcctgctgcc attggagcgt 360
ctgttgctaa ccctgatgca atagtgttg atattgacgg agatggaagc tttata 416

<210> 458
40 <211> 416
<212> DNA
<213> Arabidopsis thaliana

<400> 458
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agattgacct agtgataaaa ttaggaagac agaaacaaaa acagcaatgg gaccagagaa 120
tgcgattgca ttataaggct gcaattgaac agatcgagca agttcaaatt gacgtaacat 180
aaaacctatt aatgcgaaag cgccgtggag agcaacaaaa gcccatagac cacctaattg 240
acaccaacga gtaaaatctc cttgtgcttc aggacccac agtaacaaca aagaatgcgc 300
50 taaactatta gcaggagtag aaactgcagc gggttaaaaaa ttgcaacctt ctaaatagga 360
actggccaat ccatgagtat accatgaagt tacaaaagggt gtacctgccc gggcgg 416

<210> 459
<211> 416
55 <212> DNA
<213> Arabidopsis thaliana

<400> 459
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60 tacagattaa gctgttgctg cttaaagtac aaatcttatt gcatcatcag gttcaagtac 120

5 acatcttatt tcttcatatc caaagaccac ctgttcgtac aagggtgggtt ggtctcatatc 180
actttactgc ttcgtgcttg cttacagtta catgaatttt ttcttgaaaa cctccacaat 240
ctccttagga tccattttcg tctgtgcata gccatcgctc ttgttaattt cctcaatcca 300
tgctgatagt ttgggacgtt cggcagtaat gtcgcactta aataattcat tgagtacagt 360
ttggaacctt tcaatgaacg ggatataggg gatatcaacc aagcttaact gaccga 416

10 <210> 460
<211> 416
<212> DNA
<213> Arabidopsis thaliana

15 <400> 460
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gagtgagttg gtcacatcaa tggctttgtc taccgactaa accccatagt attacaactc 120
ttgttttagtt tctcttttaa gtccatcgat aaatggagca cggaattttt ggggtgaagg 180
20 ttgagacttt aagggtattag tgtagtaaca tttggaattt tcttaacttg caatgtggcc 240
tcacaaatag agccgggtcct gagaaatcag gtggcctaac aaaattatct tatttttaga 300
agtgtttaag atatatTTTT tttaaagaga gttaatgtta aagtttcaga aatttaggac 360
cttgttcaat atggcctgct cgtaaaccgc attctcataa aaaaaaaaaa aaaaag 416

25 <210> 461
<211> 416
<212> DNA
<213> Arabidopsis thaliana

30 <400> 461
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gtcattttcg aaggacgacg tacaaaagat tcggaacctt ttctaaagt tttttatatc 180
tccaagaagc aaccagcttg aacgtggcct tcatatttat catgtgttct cagttttaac 240
35 catcgagaat tgctcatatc ccaattatac cctacacttg gttcgccgta ccgagccgaa 300
ccgatcacia ccaggtttcc agacctcctt atcgccacgt aagatacatt gcacacgtca 360
gcaggtagat tcccaacttt ataccacgtg tcatctttca tcatcatcag atcacg 416

40 <210> 462
<211> 416
<212> DNA
<213> Arabidopsis thaliana

45 <400> 462
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ttcagatcgc tgtggtttgt ctattggcga cgatggcgtg tgtgtccgcc cacgagggtc 120
accaccacca tgctccggct ccagcaccag gaccgcgctc tagctcaacc gttgtttctg 180
ccaccaatat gttcaccatc ttggctattg ctgccgtggc tctcgtcgtt ggttccaacc 240
actaagttgg ttattacatt cgtcgttttg tttcagtttc tatgaaattg ttctcttgac 300
50 ttttaatata ttttgaattt ttctcatttg tttttaactc tctctatgtt gatctgattt 360
cttgaataaa ataaaagttt attgaacgtg tgtttttaat tacaaaaaaa aaaaaa 416

55 <210> 463
<211> 416
<212> DNA
<213> Arabidopsis thaliana

60 <220>
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5 <223> n = A,T,C or G

<400> 463

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ataatctctc	gagatctatt	atgttcacaa	gagttgttct	tatgctggtg	gagatgatct	120
10 taggagtgtt	tactatctct	tcttcaattc	gggttttttag	tttctgagat	ctgtttttga	180
agaatctgat	ctgagtttga	ggaagtttga	ctaaatagat	cgaagaagat	gtttaagcag	240
atacttgnnn	ngcttcctaa	gaaaacttct	gctaagtttt	gggataatgg	tgaatcccaa	300
actctagata	acaacaacaa	tcaaggagga	ggtgatgaag	ttttaagcca	gagaacgtca	360
15 tcaaatggag	atactagttt	ggattgtggt	tcttcttttg	atgtattgcc	aagggt	416

<210> 464

<211> 416

<212> DNA

<213> Arabidopsis thaliana

20

<400> 464

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ggattctctc	tctattcctc	gttggtgtaa	tcatgttttc	aatcttcttt	ctcttcctcg	180
25 ttcttatcgg	tatcgctctc	gttcttatcc	tccctctcct	cctctcttct	ctccatcgtc	240
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tcgtgaaaaa	gcttctctca	ttcaaattct	ccgaacctag	cacatacaca	cggtacgaga	360
gcgattgtgt	ggtttggttt	gatggattca	gacaaggaca	atggtgtcgg	aatctt	416

30 <210> 465

<211> 416

<212> DNA

<213> Arabidopsis thaliana

35 <400> 465

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tagtaagcat	ttatgtataa	tgcatccatc	aagtagtaga	tgatacaatg	gcgtaaagag	180
ggaataaacg	gtgaatcacc	ataccggttg	attcagcgac	attggtttga	tcttctatat	240
40 attcctccgg	taatctccaa	tcataccgat	gcactaagtt	agccaaagtc	acctcaatca	300
agatcacagc	gaatgatatt	gctggacaaa	tccttctccc	tgctccaaat	ggaatcagct	360
caatattgtg	acctcggaag	tcaacagacg	aatctaaatg	tctctccggt	ctaaac	416

<210> 466

45 <211> 416

<212> DNA

<213> Arabidopsis thaliana

<400> 466

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gtgttaccaa	ctaaacccaa	cactcacagc	cactctatgt	catcaccaat	tcacagtctc	120
atatcagctt	cagttccctt	tagctgggaa	gaagagcctg	gcaagcccaa	gcaacactct	180
acttcttctt	cctcctcttc	ctcttctctc	ccattaactt	cttattcttc	atctcctttt	240
gaaactcaca	agtccttaga	gctaccacca	aggcttcact	tacttgaaaa	agatggagga	300
55 tcagtaacca	aacttcactc	gcctataaca	gtctttgatg	gaccttatag	catgacgaca	360
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<210> 467

<211> 416

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>
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 10 <223> n = A,T,C or G

<400> 467

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ggccgctttg	agacaaaaa	tcacagcttt	ggacggcgct	gaaggaggct	ctgggtggcaa	120
15 tcaaagagtt	aaattagtag	ttgtcgggtga	tggtgccgtc	ggcaaaacat	ctctgttgat	180
ttcattcgct	gaaaacaaat	tccttgagga	ttannnnnct	acagtcttcg	aaaactacac	240
ttttaaaatc	actcgcgacg	atggtacact	tgttctgttg	catttggtggg	atacagccgg	300
tcaagaggac	tacnaccgat	tgagaccttt	gagttatcct	ggcgctgatg	tcctcctgct	360
20 ctgtttctcc	accgtcactg	cctcgtcatt	cgcctccatt	aaagaaaagt	ggtacc	416

<210> 468
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 468

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ccgagagtac	caaatcttat	tgagagttct	tttggttgagt	ctcaatcatc	ttcgttttatc	180
30 gatgttataa	accctgctac	acaagaggtt	gtatctaaag	ttccattgac	tactaatgaa	240
gagttttaaag	ctgcggtatc	cgctgcgaag	caagcgtttc	cgttgtggag	aaacacgccg	300
attactaccc	ggcagcgtgt	tatgctaaag	tttcaagagc	ttatacgcaa	gaatatggat	360
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<210> 469
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 469

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cgattcctaa	ggaagcggcg	tatcagatca	tcaacgacga	gctgatgctt	gacgggaatc	180
cacgggttgaa	cttagcctcc	tttgtgacga	catggatgga	gcctgagtgt	gataaaactca	240
45 tcatgtcctc	catcaacaag	aactatgttg	acatggacga	gtaccccgtc	accaccgaac	300
ttcagaaccg	atgtgtgaac	atgattgcac	atctattcaa	tgcaccgtta	gaagaggcgg	360
agaccgccgt	cggagtagga	accgttggtg	catcggaggc	cataatgttg	gccggt	416

<210> 470
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 470

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aagccatgga	ggtcgatgaa	aaaccaactg	aagattacaa	tgacattgga	ggactagaga	180
agcagatcca	agagcttgta	gaggcaattg	tgcttcccat	gacgcacaag	gaacgttttg	240
agaagctggy	tgttcgtcca	ccaaagggag	tgctcttgta	tggtcccca	gggactggtg	300

5 aaactttaat ggctcgtgcc tgcgcagcac agaccaatgc caccttcctt aaattggcag 360
gccctcaatt ggtccagatg ttcattggag acggagcaaa gcttgccgt gatgcc 416

<210> 471
<211> 416
10 <212> DNA
<213> Arabidopsis thaliana

<400> 471
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actcaagaaa tgataaatga gaaactgaag aaggcagaag atcttggtga acaaggaatg 240
gttgatgaag ccagaaaagc cctggaagag gctgaagctc ttaagaagct tacagttaga 300
cgagaacctc cagcagattc aacgaagtac accgctgttg atgtgcgcac cacagaccaa 360
20 aagttgcgtc tatgtgacat atgtggagca ttcttgagcg tctatgacag tgatcg 416

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25 <213> Arabidopsis thaliana

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agctggacaa ggaatggcgt cagcgtcaat ttgaagttga tagcttcaga aaggagttca 180
acaagctcaa taagcaagtg gcgcagctca aaattaaaaa agaagatgcg agtgagatta 240
ttcaacaaac tgagaaaaac aaacaagatt ctactgcaaa ggaggctgaa gttcgtgaag 300
cttatgtctg tttgaaagcc aagttggagc aagttggtaa tttgggtccat gattctgttc 360
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<210> 473
<211> 415
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35 <213> Arabidopsis thaliana

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actggccgtg taaccaagcc aacacgtaga aggtccagag cctcacgtag aacaccaaca 180
45 acgcttctca acaccgacac ttccaacttc cgtgccatgg ttcagcaata cactggcggg 240
ccatccgcta tggctttcgg gtccggtaat actacttctg cttttagcct cacttcacg 300
tcggatccat cagctggatc ttctcaacaa gctccttggc aatataattt ccagcctcac 360
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50 <213> Arabidopsis thaliana

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gtatatagag ataacaaatt aaactataag agttacttca ttcgggttgag atattaccat 180
attgccaaag attaaaactc atcgatttga ggtccgtttc gttggaggca ctacttgagc 240
60 tctctgccgt gtctcgggtg tcattgtact tcccggttga ttggtatact tcaatatctc 300

5 cccatggagt aggtgtgata tcatccgtta gatcgaacca tcttggagtg aacttttgtc 360
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<210> 475
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 10 <212> DNA
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<400> 475
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 tctctctctc caaaacattt ggtccatacg ataaagcaag aagaagaatt aagaattaga 180
 gcaagaagaa gaagaagtag aggatgaagc atgaaatgat gaacatcaag ctaagatgca 240
 taaccatctt ctttcttctt tttgctttgc ttcttggaaa ttatgtagct caagcctcaa 300
 gacctcgttc tatcgaaaat acggtctccc ttctctcaca agtacatctc ctgaattcaa 360
 20 ggaggaggca tatgataggg tcgacagcac caacttgtac gtacaacgag tgcag 415

<210> 476
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 25 <213> Arabidopsis thaliana

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 35 cattggagga tctttttact caaatcttta cccacaattt taccagttct cttgtccaca 180
 agctgatgag attgttatga cggtgctcga aaaagccata gctaaagaac caagaatggc 240
 agcatcttta ctcnnncttc acttccacga ctgcttcggt cagggctgtg atgcatcaat 300
 cttgttggat gatagtgcaa ccatannnag tgaaaagaat gctggaccaa acaagaactc 360
 40 cgtttagaggg tttcaagtaa tcgacgagat caaagccaaa cttgagcaag cttgt 415

<210> 477
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 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 477
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 atcctgctcc gaatctagaa tgcgtatgt acgaatcgag ataccctgat gtagacatgg 180
 50 cggatgatgat tcaggtgaag accatcgctg acatgggagc ttacgtatct ctcttgaat 240
 acaacaacat cgaaggaaat atcctgttct ccgagctctc tcgccgtcgg attcgtagta 300
 tcagtagctt aatcaagggtc ggtcgtaccg agcctgttat ggtccttcgt gtcgatagag 360
 agagagggtta cattgatctc agtaaacgta gggttagtga tgaggacaaa gaggc 415

<210> 478
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 478

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 gctgaaatcc tcaattccat ggcagtcact aatgaacatt tccacactgc tctcgggaac 180
 agcaacccat ctgcacttcg tgaactgtt gtggagggtc ccaacgtctc ttggaatgat 240
 attggagggtc ttgagaatgt caagagagag ctccaggaga ctgttcaata cccagtcgag 300
 10 caccagaga agtttgagaa attcgggatg tctccatcaa agggagtcct tttctacggg 360
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<210> 479

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 479

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 ctctcctccg tccagctctc gctttcccca attcttctcc tgcagcttcc ctggaaacga 180
 cttcttcagt ccccaaagta ggaccgatct cactcggaat caacatagtc aaatcggaag 240
 gcgcgcgcgc gttattctca ggagtctccg ctacacttct ccgtcagacg ttatattcca 300
 ccaccaggat gggctctatac gaagtgccta agaacaatg gactgatcct ggtcaggga 360
 25 agttgaatct gtagtaggaag atcgggtgcag ggctagtcgc tgggtggaatc ggagc 415

<210> 480

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 480

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 35 caaggtcgac caccatttgc caaatgtgtg aacatggccg gtgaaatgcc agaaactggc 180
 attaaagact gtaatagtaa tgcttcgtcg cttttggtca taattatgat caagtgtcgt 240
 gtaactttgt atgtttctcg tattagaata aacgggtcca ataaattgga ttagattggc 300
 cattattatt gatttgccaa tgacccaaaa gtgaaaacat gagaggtgag ttatatataa 360
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<210> 481

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 481

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 ttgattttgc atttgcgat gctgacaaat caagctacgt caacttccat gagaggcttc 180
 50 taaaattggg gaagggtggg ggaatcattg cgttcgacaa caccttgtgg tttggttttg 240
 tggcgaggga tgaagatgga gttccggagc atatgagaga atatagagca gctcttatag 300
 aattcaataa gaaattggct ttggatcccc gagtcgaggt ctctcagatt tccattggag 360
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55 <210> 482

<211> 415

<212> DNA

<213> Arabidopsis thaliana

60 <400> 482

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 agataagaaa aagaagccca gaggtcgtgc tcacaagcgt ctgcagcaca accgtcgttt 180
 tgtcacccgca gttgtttggtt tcggaagaaa gagaggaccc aactcttctg agaaatagaa 240
 gaagtttagag agaaagatgt tgtcgtgaaa cttctcaagg tcatttgtaa ctttttgttt 300
 10 tcttttggcac cgaactatta tgttttgatt ctatgctatg aaatactgtt ttttcactta 360
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<210> 483

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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 aacacactct tcaaaccaac acaaaattga ctgaccacaa taaaaccaa ctagaacaag 180
 tcgaacttct tcttaagcag atcttgcttc caacgtggta agttgttgaa tgcttctttc 240
 tcgatcccaa acacactttg gaactcttcc tcagatagat aagcctctct gcgtttgaaa 300
 tcgattccag tcactgggtt ctcagattta gctctcagct gttcataggt gaaagttgct 360
 25 ccacttgggt gtatttcaga atcaccttgc tcttctgttt cctgctttgc ttctg 415

<210> 484

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 484

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 35 ttacaaacta caaagagaga gagagaatgg taataagaga agaaaaacag tacaagagaa 180
 tcatcatctt gacaaatctt caaatatcta aatcctccaa ctgaatgttg ctcttaagag 240
 gcacataatc tccaagatac ccaccaagtt gatcatacaa agcgttctta tcaatagtct 300
 gatgatgata actcttatac acatagtaaa acacactctg aaccaacaaa cccacaagat 360
 taaccatcac aagaacacca actaacaatc caccaaccaa agtcctagta aaagt 415

<210> 485

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 485

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 aagattcttc atggatctga aaagccataa cggatcaaat gattgcaaaa agaagacgat 180
 50 cctacagatt atttgggtgag acaagaaagg cgctaaccgg gaaaagtgtt gttcaagcgt 240
 tgatggcatc tgattcttta gaccttatga tcttggcttg tagtttctgc ataaaagctg 300
 gattggcacg gagtctttgt tttacatatg aagttcttat gtcttcagcg atcttgttgg 360
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55 <210> 486

<211> 415

<212> DNA

<213> Arabidopsis thaliana

60 <400> 486

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 tggccgacgc attatatgat gtatttttgcg acaaagaagg cggacttgca aaggcatgtt 180
 tcgcatactt agcaaaaaggc ggcttccttta gccgaggccc tgtgcagcta ctgagcgggtg 240
 taagcagggtc acaaacctta ttgctcttcc atttcttcag cgttgcaactg tatgctgtgt 300
 10 actacatgct gtccccattc ccaactccat cacgcatata cacatgcgtc atgtcatttc 360
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<210> 487

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 487

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 cctaaagcca aaatcaaaaa tacaagtagt ctgtgtgtaa actcttatta tttagaaaagc 180
 aacaaaagat aactagagag ttccagccct ctcttcaaaa actgataaagg ctctcaattc 240
 ttctactcca ctacttcaat cagggtgggc tcatagtcag agggagccac aaatccatgg 300
 aggttcatca ctgttgacgc tacatttgca agccccgggtg tttccagatc tttacggaat 360
 25 ctactcctt gagccaaacc aggacctcca atagcaattg gcactggcctt gagtgt 415

<210> 488

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 488

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 35 atcaagaacg gtttttggttc aaccgggttt gaaaatgtac atgtggcttt ggaattacct 180
 ggtgcttgag tttccaagag tgagttcaag atcatctgaa ccactctcct cgtgtatcct 240
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 agccacggct tcagacattg gaacatctgc tgtctgggtc gcaccaggag gaatagcagg 360
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<210> 489

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45 <400> 489

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 ctcatcacg atggtggtga cgtgctctg actctgaatc tgactcggtc cagccctcat 180
 50 cctgcccc tgtccaactc gccacaacca ccgtggcct cacctcttcc tctccatcc 240
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 tggagtagga ctgagtggag caggaagaag gcttagcatg gaaatgctcg atttctgcac 360
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60 <400> 490

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 aagtgcagaa gcagctctta agtacaatgt tgctatcaaa tgtgccacta taactcctga 180
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 cagaaacatt ctagatggaa ccgtattccg tgaacctatt atgtgcagca atatcccccg 300
 10 gcttgttcct ggttgggaaa agcctatatg cattgggtaga catgcctttg gtgaccagta 360
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<210> 491

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 491

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 aacaaaactc agcacaatc ctctccggaa ctgcgcggga atcgctgcta ttgctacaat 360
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<210> 492

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30 <213> Arabidopsis thaliana

<400> 492

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 35 atgggttttc cgatcttaaa atccgtactc acttgaaacg actcaacaag ccagctctca 180
 aatcgattaa gagccagat ggagatatga ttgactgtgt tccaatcact gaccaaccag 240
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 aaagtgtatt tagtgagagt aaagtttcat caaaaaccaa gaatcagcag tctaattgcta 360
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<210> 493

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 493

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55 <210> 494

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<212> DNA

<213> Arabidopsis thaliana

60 <400> 494

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 10 tctgagtaag cttcttggag agacaagact tcaccagacc ctcacaaaca ttgttatacc 360
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<210> 495

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15 <212> DNA

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30 <213> Arabidopsis thaliana

<400> 496

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 35 tcaactatttt ttgactaat gacttttcaa cttttcttcc acgagctcga tgcacgata 180
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<210> 497

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<212> DNA

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45

<400> 497

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 gagaagcgtc agagctccat tgcgtcatc ttcatcgag ggaacacgat ccggcggcgt 180
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55 <210> 498

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60 <400> 498

5 <211> 414
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	cacgagtcaa	ctcgttaccg	agttgtcaat	tggctgatga	gcagcttatt	gagtataaga	180
	ctgattcaat	tggttcgtct	tcgatgcctc	aatctggttt	tgcagcgagt	ttgaaatcta	240
	ctcttgagaa	acatggagtt	ttgcagaaga	ttttgcttgt	tcttgctttg	attgggactt	300
20	gtatggttat	tggatgatgg	gttctcacgc	ctgctatttc	agttttttct	gcagtatctg	360
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 25 <212> DNA
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<400> 503

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	tacagtactc	gaggttcatt	gttaagctgc	agttttaagc	tcttaagctg	cagccaccct	180
	tggccttcg	tagctagctg	ggccactgct	gtgagtcaaa	gtggtctcga	gcgtgttgaa	240
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45	gaaggataaa	acactcagct	caggggctcg	aatccgtttt	atcctatgtt	acaacagaga	180
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	ttaaagctaa	ataaaaggcg	aagggcaata	agaagtaacc	tggagagatg	tttttagagc	300
	ctttattgtc	cattagcatt	gttcttcttg	agttcctcgt	tctcctgacg	cagcgcacgc	360
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gagaaccgca acttcgaaaa ctttcgctcc tacgatacgg tgacatccga gtggacattc 360
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25 tgagttccgc aagtaccatg cttctgctat taaagttcct ggccctgaag tagaaaagtt 360
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aagaaccaa ccaaagtact gataattcca gacacaagaa ctgagtcctt tgagtttaagc 240
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gttgtcaata ttgcttgatc cagaagatgt ctggtttgcc tgtggaccaa gaagattgtc 360
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55 catcatgtac aatgctaaaa gtaatgattg aggatcttaa caaaagaaat tgaattttct 180
aacaatctta gacaattgaa gcaagtgggt ttagtggagc cctagactca accaatgggg 240
ttgtcttctg tctagaatca tcttaactac atcttctaca aatgaatcaa aacaagaata 300
gcaacaccct ttcacaggc tactaccact actgctactg ctgctgctgc caggtgtcat 360
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 atattagcta atacttggtc actttctctg gaacaagctt gagatgctgc gacttggtgca 180
 tagcaagacc agtcatgaca tccatgttga tatcatctgg ttcatccca ttagggagtt 240
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 gcattcccg gacattctc cggcctgacc cgaacggat aaactcgtag tccgtgcctt 360
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 tggatatctac aaagtctcca agctgcttcg tggtgatact ggacttcttg ttactgatat 360
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 aatgggtttt gacagacgag aagtctttgg tcactaccat cttgaagatc aatgactctt 360
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5 aatccgacct tttaatcgtc aggcaggaca gaagaatccc gtcgtctcca gacagttcac 240
cattcattct tttattcaca atcacatgat tcttcacaca atttcacttt actcttcgtc 300
gtggtgtttg tttatacctc aattatgact ggatcctaag gaaaatataa ttgcatttgt 360
taatctcaaa gtgattatat tcttggttct ctaaaaaaaaa aaaaaaaaaa aag 413

10 <210> 533
<211> 413
<212> DNA
<213> Arabidopsis thaliana

15 <400> 533
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gaatgcttgg tttagtttcc tccaattcca aggaaaagag gaaacctccc ccagtcaagc 180
aaaccgaggt gaagaggacg aggagagatc gtggtgagct tgaagctata atgttcaagc 240
20 tatttgaagg ccagcctaac tggacattga agcagcttgt acaagagacg gaccagccag 300
ctcagttcct gaaagaaata ctaaacgagc tgtgcgtgta caataagaga ggatcgaacc 360
aaggacata tgagcttaaa cctgaataga agaaatctgc tgaagatgat aca 413

<210> 534
25 <211> 413
<212> DNA
<213> Arabidopsis thaliana

<400> 534
30 acacacacaa acgcacatac ttgagcaaag tcatcacaat gagcttcttc atcgaagatt 60
ctggtctcat agtcactcag cttctctaca aaatggtctg tctcatcacc gtcttgagat 120
ggatcctcgc ttggatctta cgctaccgat ccagatccag atccacctct tcttccactt 180
ccgcctgtcc ttcgatttcc tcacaggcga tcaaagaaag cctctccgtg acgacgttcc 240
gtgacgcagc tgagagatct ccggcgatga tcaacgacac ctgcgctgtg tgtctcggag 300
35 atctggaaga tggagatgag gttagagaac tcaggaactg tagccatatg tttcacctgt 360
agtgtattga ccggtggttg gattatgaat gttgcggttg tgatgagaat aac 413

<210> 535
40 <211> 413
<212> DNA
<213> Arabidopsis thaliana

<400> 535
45 tcgagcggcc gcccgggcag gtgtctttat tatagatgga gagagatttt ctccgggttg 60
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ctcccaacag aggaatgaac tggcttttct caaacaagt atcagcttct tcttctcagt 180
ttctatcctt caggccaact caagaaaata gacatagaaa gtctggaaat tatcatcttc 240
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ctccttatag ttctgtacag ggagtgaaga tgttccctaa ttccaatcaa cacgaagaaa 360
50 ctaacgcagt ttccatgtcg atgccgggtt tccagtctca tcattatgca cca 413

<210> 536
<211> 413
<212> DNA
55 <213> Arabidopsis thaliana

<400> 536
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taagtacaaa agtattatac aaagctttgt tcgttttggg cgctgagtct ggtccaaatg 120
60 ccaaaccagt agcgacactt acaaccacca attgtaaact acaacgagtt aggtttccaa 180

5

<400> 544

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gacactctcc	tcaccacac	cttgctccga	ttcaactcct	ctcggcgcgc	tcgttctcgg	180
10 attatacggc	cgtcacgttc	ccataaccgt	ctcaactttc	aaacgtatgt	gtacttcac	240
ttccacatct	tacaaaaaca	cacctgtcca	caaaatcttc	cctggtcagt	atcttctcgc	300
cggaagacaa	ggaggaggac	ggcgagatac	ggcggagggt	ggttattcac	tcagagactt	360
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15

<210> 545

<211> 413

<212> DNA

<213> Arabidopsis thaliana

20

<400> 545

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tttcagtacg	atgatgagta	tcctaaagccg	gcttttcttc	ccataagtga	tgaaagcatc	180
atctgtccca	caggtgtttc	cgatccatca	gaccatccat	gcttctcaag	caactgttcc	240
25 agaaagttac	caaccacata	agaaatcccc	gacaccgata	cagcaattga	cccgtagtac	300
agaatgctct	tcaggtagct	gcctctcggg	tacctcacat	gagctttggc	tatggcgagc	360
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30

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<211> 413

<212> DNA

<213> Arabidopsis thaliana

35

<220>

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<222> (1)...(413)

<223> n = A,T,C or G

40

<400> 546

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aataggactc	cggcttatgg	accanggagc	aaaagagatt	ttgcagaacc	tttctgagaa	180
acaggggaaa	aaaatgaact	cagttgaatc	tgcccaaaat	attcccagct	ttctcgagtt	240
tttcaaggat	caaataaaca	tgcccggaagt	caagtatcct	ctggaccatt	ttaagacgtt	300
45 caatgaattc	ttcgtacggg	agttaaagcc	tggtgcaaga	ccaattgcgt	gcatggatca	360
ggatgatggt	gctgtatctg	ctgctgattg	tcgattaatg	gcatttcaat	cgg	413

50

<210> 547

<211> 413

<212> DNA

<213> Arabidopsis thaliana

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<222> (1)...(413)

<223> n = A,T,C or G

60

<400> 547

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5 gagaattnnn nnacagagaa tagcagcttg gaggatcttt gtggtatggt caggetgagc 180
acgetcaaca tcaaattaat tgaggagacg agtctagaaa ctctagetgc atctataggt 240
ggattgaaat acctggaaaa acttgaaata tatgatcacg gttctgagat gaggacgaag 300
gaagcgggaa tcgtatttga tttcgttcat ctcaaaaggc tatggttgaa actgtatatg 360
cctaggettt ctacagaaca acacttcctt tctcacctta caaccttata tct 413

10 <210> 548
<211> 412
<212> DNA
<213> Arabidopsis thaliana

15 <400> 548
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aaacattaaa gacaaaatac tgtaaaataa aaaacaatct tcaaaacata gatatgctca 120
tgcatagaca gagggaaacct caaaaaaaaa attattttagc gtagtagccg ccgattcaca 180
20 gccggagggtg gccgtggctg agcttgaacc ggagtagctt gacgagggtg acctccacct 240
ccccaccat tactctccca aggccttaaca gtaaacacca caattaaaac cacaataatg 300
agcaatagca aaatggcaaa gcaagtccac ttccgtgtgt tcttctgata aaaccgtgcc 360
ttaacaagcc ggtccgcacc agaccgaaca agcaggttag ctcgtttgac gt 412

25 <210> 549
<211> 412
<212> DNA
<213> Arabidopsis thaliana

30 <400> 549
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aggaggtcca tatttttcca agcatcagct ccactctcaa tggctccaag gttaagcaca 120
cgcccgacac tttctttgga gatgtccact aggtatggtg ttccgtatag gaatagtgtg 180
acgtcatatt cctggaaagt gagagaggag agtggggttc gcttgagaaa agtgggtctta 240
35 gtgttttgaa ccgacgaatg tatcatacat gccaacgatt cccacatgtt tagactcagt 300
gagtcaccca cgaacatcac tcgtttccct ctccatttct tcaaaaacgc ttccccatca 360
aaccttgga cgggtgatga atcaggctgc caagagtacc tcggccgcga cc 412

40 <210> 550
<211> 412
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

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gtgatatagt cgagaaaatg gcgtcgtgga tgaaagcggg gctaactctct actggcgctcg 120
tagccacggc tatgcatcta aaggttattg ttccgtgtggc tatggatttc tcacaaaatc 180
cgattatttt gagctctttc ctcacgtggc tgaaaccgcc gtatctttac gtcatactta 240
acgtcatcat catcgnnnnc ggagtttcct accggattac tactgtctcc agccacgtcg 300
55 acggcaaaga ctatgaggct tcttacagtg gcgacaataa gtttcagact gatcatcagc 360
agatcgtcca agaagctcct ctaaggcgac gaacggagac gaaagatgcg ga 412

60 <210> 551
<211> 412
<212> DNA

5 <213> Arabidopsis thaliana

<400> 551

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	ctctacaaat	acaaaatctg	cctcatctct	tccatcagat	ctctgccgtc	gattctccat	120
10	ctacgaaatc	aaatccgcc	caaagtattt	cgaggaaaaa	ctaatacatg	gagtaggcgg	180
	gtttggttct	gtctacaaag	gacgaataga	cggtggagcc	acacttggtg	cggttaaacc	240
	gctggaaatt	acatcgaacc	aagggtgctaa	agagttcgat	acagagctcg	agatgctttc	300
	aaagcttcga	catgtacacc	tcgtctctct	aatcggatat	tgcatgacg	acaacgagat	360
	ggtacttgtc	tatgagtata	tgccacatgg	tacacttaaa	gatcatcttt	tc	412

15

<210> 552

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 552

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	catgatcggc	caacttatga	acctcaaggc	cacggagctc	tgtctcggcc	tccccggcgg	120
	cgctgaagca	gttgagagtc	ctgccaaatc	ggcggtgagg	agcaagagag	gcttctccga	180
25	aaccgttgat	ctcatgctca	atcttcaatc	taacaaagaa	ggctccggtg	atctcaaaaa	240
	cgtttctgct	gttcccaagg	agaagactac	ccttaaagat	ccttctaagc	ctcctgctaa	300
	agcacaagtg	gtgggatggc	cacctgtgag	gaactacagg	aagaacatga	tgactcagca	360
	gaagaccagt	agtgggtgcg	aggaggctgg	cagtgagaag	gccgggaact	tt	412

30

<210> 553

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35

<400> 553

	cttttttttt	tttttttttt	tttttttttt	tttttttgta	gtttgaaaaa	agataacata	60
	tagtttgact	tgtagctac	aagcctagaa	tgctgtttta	agcatgaagt	agaaaacatt	120
	ttttcttatt	ggtacaatgg	ttgaggaact	ctagagcggg	aacaaagaaa	aagtagcgta	180
	acatatgcaa	aacgcacaaa	tatatatctt	gcacacggac	aagtcttttc	ttcatatcat	240
40	gtaattagac	aaatacgact	tttcatcaaa	gatgctcgca	agaaatcctg	cagtgtactc	300
	tggtatgggt	atatctttgt	acttagcagg	gttttcatca	gacaaaagat	ctttaatcgg	360
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<210> 554

45

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<400> 554

50	acgcgtccgg	aaaaaagaga	gagacagaga	tttactcaac	ggctaagatg	aaaagttcat	60
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	aatcacttcc	aggtacgccg	tatggcgccc	ctgggtccgta	tccgcgtagt	taccctgtgt	180
	gttaccaccc	gtattgccgt	ccatgagagt	ttcaatttgg	tcacatgaat	gaattatagt	240
	caaataccta	tatcaagggt	atgtatgtgt	gtatattatt	atatgttttc	atcatttgat	300
55	ggagaataaa	aagcttagga	aatatatcca	tggtattata	tgtttcagtt	tgtaatatgt	360
	ataatgatat	tgctggctct	gtcccttaaa	aaaaaaaaaa	aaaaaaaaag	gg	412

<210> 555

60

<211> 412

<212> DNA

5 <213> Arabidopsis thaliana

<400> 555

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10 cggacaagta	cgccacgcat	gacgtcatca	tatctacggg	ttctgtttca	tcattggacac	180
gtcagcggag	acgatgagag	ccgttgatta	gacaagaaga	agaagggacg	gctgagatgc	240
cttgacgcgt	tagctcagcc	aaaacgctct	ccgcgacggg	cggttttagc	ccgagcggta	300
gcggcagcca	cggtttgctt	atcgcttctt	taaccacttg	atctaactt	tcctcgccg	360
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<210> 556

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 556

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gtgaagatgg	ttcagtggca	tcccaccatg	gatgttttat	tttcttgag	ttatgataac	180
25 accatcaagg	tttgggtggc	tgaagatgat	gatggtagt	atcaatgtgt	ccaaacctta	240
ggtgaatcta	acaacgggca	ctcttcaacg	gtatgggtcca	tctcatttaa	cgctgcaggg	300
gacaagatgg	tcacttgtag	tgatgatcta	accttgaaga	tatgggggac	agatattgcc	360
aagatgcagt	ctgggtgaaga	atatgcacct	tggattcctc	tttgtacctg	cc	412

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<210> 557

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35

<400> 557

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cagttgatcc	ggagaagggtg	atcgcatcgg	ctgagaagca	ccaagctaag	atcaagttcg	180
tactcactac	gcacatcac	tgggatcatg	ccggtggaaa	cgagaagatt	aagcagttgg	240
40 ttcttgatat	caaagtatat	ggaggttctc	tggataaggt	gaaggggttc	actgatgcgg	300
ttgataatgg	tgacaagctg	actttgggtc	aggatattaa	catattggct	ctccacactc	360
cttgtcacac	caagggtcac	attagttatt	atgtgaacgg	aaaagaagga	ga	412

<210> 558

45

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<220>

50

<221> misc_feature

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<223> n = A,T,C or G

<400> 558

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cgttgcttca	gtttctggga	tcagctctga	atgaaaataa	cgcttcagcc	caaaaagttg	180
gagccatggc	tctctttaac	ttggctgtgg	acaacaacag	gaacaaagag	ttgatgctag	240
catcaggaat	tattcctttg	ctggaggaaa	tgctctgtaa	tccacattcc	catggttcag	300

5 tgacggcaat ttatctgaac ctctcgtgtc ttgaanaagc aaagcccgtg ataggttcga 360
gtctggcagt tccttttcattg gtaaatcttc tttggaccga gactgaagtc ca 412

<210> 559
<211> 412
10 <212> DNA
<213> Arabidopsis thaliana

<400> 559
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ccagaaccaa gtgataaaca atttctcat ccaatgtatc ttgtggcttg ttccgttgcg 180
acattgatcg tatgtcccat gacaggacct gcgtgatcaa gctcctaaac tcatctgctg 240
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tatctgagaa agtcacagaa gccacagcca atgagcagtc ctcttttacc cagtttggca 360
20 ctgaggctcc ttgaatactg tccgagtatg gtaaatatgg tttgatgtcg ag 412

<210> 560
<211> 412
<212> DNA
25 <213> Arabidopsis thaliana

<220>
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<222> (1)...(412)
30 <223> n = A,T,C or G

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35 aaatcacaaa accaatgact ctttttctgg ttaatgcttg tgattccaat ggggtagggt 180
ttcatacaga ttagaatcag gagcaaatgg attctgcatg ctttcacggt tcacctgttc 240
cggcaagaaa tttgccgtct ccactctctg attttgtgct aaaccagcac tgggtgttgg 300
acttgaattt gctggtttca aaatgtgggt agagtttggc ggaatactag aggangcact 360
40 cgggtgtgtg ctgaatggta tgcccatggt tggctcttgac caatgcaaag gg 412

<210> 561
<211> 412
<212> DNA
<213> Arabidopsis thaliana

45 <400> 561
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agaaaagagt catcatgaca tttttaacaa tgaacaaact aaaaagagtc atcatgatat 180
50 ttttaacaag aacaaactac aagtcttata gaagttttct tcggtatttg aagcagtttt 240
tgcaggtcag agcatgcaat cagttcttgc aggaagcctt ctgaagaaat tgagaggaac 300
ggatggtagt ttgtatctga acctcggatg tctcagagca tagattccaa tacaaagagc 360
cacaacctgg aaaggtgtca catagagaat gactgcggca atcaagcaga ac 412

55 <210> 562
<211> 412
<212> DNA
<213> Arabidopsis thaliana

60 <400> 562

5 ggggcccgcg atctgttact tcttctcctg gcgatcgctc ttctttgcgac gccggcgcttc 60
tccgatctgg ttttatccaa agtcgaacgt cgtatcgatg tgacttcaca gattgctcgt 120
gttactaaga cccttaaggt tgtaaattct ggctctgaat cagtttctga gtttgctttg 180
acattcccaa agtttcttgg taacaacttg gcttatctat cggttgctcc tagtgaggga 240
aaggggaaat ctaaacgaac tttagtgaat ctctctgtga gagaagctga tcagaaaggt 300
10 ttacctgatt caattagtgt ttactcagtt gcattaccca aaccactgag taaaggcgat 360
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<210> 563
<211> 412
<212> DNA
15 <213> Arabidopsis thaliana

<400> 563
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aaaaaaaaaa agttgaatat ctccgaagag attcagatta atcgacataa tatgcttctc 180
tgcattgttc ttagctcatg agagatctca agcaccaatt gttgctgaat cttttccaca 240
atatcagaca caacaccttc agattcacca ccaaaatcca accaaagaca tggctttatt 300
agatcagttt caatgatctg atccaatgat ctgtaggag agtcagagca gagtaaactc 360
25 cagtcaaaat gtctcatcgt ctctgtaatc agatcatctt ctctaaggga tg 412

<210> 564
<211> 412
<212> DNA
30 <213> Arabidopsis thaliana

<400> 564
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ggatatgaat ttaggttttc taatgactgg ttccatgcat tgaatcacat ctcccactct 120
35 aaaatcattc caatctccaa acacaagccc aactcgttc cctttccga cctgttccac 180
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taacagcctc atgagtcgcg ttctacatac ccgaccatcc atcactttgc aacctgcgat 300
gtttactcca tcttcttcgg ttcttctctt tcctaagatc ttgaatatgc taagtacctc 360
40 ggcttcacca gacacctcca tctccgaaac tcctggtgct ttttctacga tc 412

<210> 565
<211> 412
<212> DNA
45 <213> Arabidopsis thaliana

<400> 565
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ttttcttctc ttttacctct tttagctgaa cccaatctgg tgattttttg tctgaagaat 180
50 cagaaccaga gttagtaagg ttcttgtaac tcactttcac gtctccttcg ttatcgtctt 240
cttcttctag atcactgaat gatacatctt ctctgtcttc accaaaagga tgatttgtgg 300
ttgatcttcc tccaatggcg ctaactgatg aagtctcttc atcattcaac caatcatctg 360
catcgtcgtc gtcttcatca tccacttgca cattaataaa tctagatgaa ga 412

55 <210> 566
<211> 412
<212> DNA
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60 <220>

5 <221> misc_feature
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 <223> n = A,T,C or G

<400> 566
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 aagatccctt tcaccaaagc ctcccttctcc aagagctgac cttccaagat cacttttcgcc 120
 aaagcccttt gatcgatcga agccatcatc agcctctgct aatgcccctc ctactcttag 180
 gcctgcttct actcgagttc cttctcagag aattacacct cacagtgttc cttctccaag 240
 accaagtcca ccaagaggtg cctccccaca agccatctct tcaaagnngc cttctccaag 300
 15 agcagagcca ccaacattgg aactccaag acctccctct ccaagagctg cttctctaag 360
 agcagaccca ccaagattgg atgctgcacg acccaccacg cctaggcctc ct 412

<210> 567
 <211> 412
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 567
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 tcaagatttt gatccctcaa acaagcttgg agagggagga tttggccctg tttataaggg 180
 aaaactcaat gatggaagag aggtagcagt gaagctattg tcggtgggat cccgacaagg 240
 gaaggggacaa tttgttgcag aaattgtagc aatttctgca gtccaacatc gcaacttagt 300
 aaaactttat ggggtctgct atgaaggaga gcatcgtttg cntgtatatg aataccttcc 360
 35 taacggaagt cttgatcagg ctctatttgg ggaaaagact ttgcatcttg at 412

<210> 568
 <211> 411
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 568
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 ttcttaacca gacgacatta atgaaaaacc ctcataaact agtagtgtct tcaacatgag 120
 45 agattgggtc caggagtgcg cccaagcttc ttgcagaagt ccaagtaatg gtttaaccctg 180
 ctctgcactg cagctggacg cccaccatta cattcaccac cgttgatcct cctcgtgggt 240
 gcaccaaacc cttggctcaa aaccggacgc acattcttgt tccaaaacca catggcacac 300
 tggaaagcca cagttgggct acgagccacc atatctgggt cttcaagag aggaagtcca 360
 aggaactttc cggctgcacc atagttgtag ttccatgtga tttggatcgg a 411

50 <210> 569
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 569
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 aacaaagagt ttccactca gaggttatta taatcgtaaa atacttatcc acatccaaac 180
 60 ataggaacct gaaatttcac tcaaaacact actagaacag agacaaccaa tgcaagagag 240

5 agaatgggta agagacccct acataaaatt ttaacttttg aaagctacct gcaagatcgc 300
 tgatgaaagg gaaatctttt ttgggtcacac atactcattg acacgaaagg cgggtgacttc 360
 gagaacgaaa tcccagattc tgagtagctc aaacacacat acatctcctt c 411

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 10 <211> 411
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 15 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

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 aaatccaatc catcaaggca caaaagggttc aactgcagca cagaatgaaa caagaagcag 180
 aacagtttcg acagtggaaa gcctcccagag agaaggaact ttgacagtta cggaaaagaag 240
 ggagaaagag cgagtatgaa aggcataagc tgcaagcttt aaatcagcgc cagaaaatgg 300
 25 ttcttcagag gaagacagaa gaggtcgcaa tggctaccaa aaggttgaaa gagttgnnng 360
 aagctcgaaa atcatctcct cgtgaacact cagcttgtag ctccggccgcg a 411

<210> 571
 <211> 411
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 571
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 tctcttttgg cacagcttct tctgctttcc agtatgaagg tgccttctta accgatggaa 180
 aaggtctgaa caattgggat gtctttgccc atgaaaaccc tgggaaaata gttgatggaa 240
 gcaatggaga catagctacg gaccaatatc atcgatatat ggaagatatc caatcaatga 300
 attttcttgg agtcaatagt tacagattat ctatttctct gtctagagtc ttacctaatg 360
 40 gaagatttgg agttattaat tataagggaa taaagtattc caccaatttg a 411

<210> 572
 <211> 411
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 572
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 tactccggcc gtaactggtc aagcgaaatc taagggtggg ggaaaggcta atcctggaca 120
 50 caagaatcca tctggccgtc attcaaaacc aggtccgagg agcaaccaga atggtcctcc 180
 tctctctctt tatctctgtc atgctgtacc gtatcatcca cctccttttc cactatgggt 240
 gcctctgcca catgctgctg gtccagattt tccatattgca ccttatcttc cctacccggg 300
 tctgtgacct cctgttactg agtctggcaa tgagaagcaa gttcaagctt cccctcttcc 360
 acctgtgttg ccagctcctc aaggggatcc tggaaagcct tggccgcac a 411

55 <210> 573
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 573
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agcgtagaaa aggatcttag attttagca gcaacaaaaa aatgtcaatg ccactacaac 180
gtggcatctc tggagtacga gtttctgata gcagtgatga tttgagagac tctcaaataga 240
10 aagacaaaaac tgaaagagct cgttctactg agaacaacaa cttaacctta aggtttcctt 300
ttggtttctt ctttagtaat caatcttctt ccaaacacgg tgggtggtggc gaaaacgggt 360
tttctgctga tccatatagt gcaagaagca ggcatagatt gatgtgtgtg t 411

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15 <211> 411
<212> DNA
<213> Arabidopsis thaliana

<400> 574
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ttacaaggca aagtacaaa cacaaactct ctggaatcac tgcacaaaaa tatcctactt 180
atgttgtctt cttttctctc aaatctcaaa atgaaccttc cgtttgttcc gtttgtgcgc 240
tctctgatat agaatcagag atttctgaat ctgctccttg agatcttctc agcttagaaa 300
25 caagaacca catattagca agctcattct ccagatatgc ttctctctgt tttgtttctt 360
ctaatactct ttcaagctca gcttctcttt gttctttttc accaagtgc g 411

<210> 575
<211> 411
30 <212> DNA
<213> Arabidopsis thaliana

<400> 575
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acacctcatt tttgtactca agaaatcagc agctatgaga tccactaaag ccatgtacac 180
aagaattccg gctgagagcg agtccaagat accttcagtg accaatgctc cgacactgtg 240
agaattgaaa gacgacgcca ctgcggttcc aatcccgatc cctatcgggg ttgtgagggc 300
gaaaaaacia gccattatgg tcgctgattt gttcctgaat tgcgcttggg agatgcatcc 360
40 accgagcgca aatccttcaa agaattgatg gaaggatagt gctgcgatta g 411

<210> 576
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45 <213> Arabidopsis thaliana

<400> 576
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50 aagaacgaaa cacaaaagag aaaaaatcaa cataagttgt cttcaaataa cttggactct 180
cagataggtg atgatgataa tcaaaagcac aacgacgggt gaagggtgtg atgagggctc 240
gtaacttaga tgcgccataa cagaatcttt cagcttaacc ggcgattttc ctagagtagg 300
gattggaagg ctgtgtaggt ctgaggaaca tgtcaccact ttctcccacc caccctgcct 360
tcatcgccgg ttgttgttgc ctttgacttt gattccatct tctccaatt g 411

55 <210> 577
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60

5 <400> 577
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 tatacacacg agaggataca caggagaggt tatagttatt agagaaggga tcgttgttgt 180
 gtgaagatgt aaacctcgtc gtaaccaatc cctgcgtatc cacagtaagt aggcttatag 240
 10 ttgtaaata gaattgctcag cactttctta gactctggtc tgttcagtga ctctctagct 300
 tcaactgacta gatgatttgc ggcgtgctga ctacactgga tcgcgtctc agagtgtgga 360
 attttagatg atccccactc gaatgcattt ttctcaggat gccactggaa g 411

<210> 578
 15 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<400> 578
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 atatgcttga ttatacaatc ttggtattag cttctaaatt ttaattttta tttttttgta 120
 gaagctaaga ggaagaactt ggattctttg taattggaag ctttccatca tatgtgctct 180
 tcagtacatc tggtttcttc acaaccgag gtcctactgg aaccttccga ttctttggcc 240
 taatatcctg atcaaagatg gctgtaggta ttgctagtgt agcaacggca ttcggagaat 300
 25 caactatccc agatagtctt ctttcacatg gacaacatga gagtaagagg tacacctgtt 360
 cttttgagta accaaatttg aaaagatagt ctatggcgtt gagaactgcc c 411

<210> 579
 <211> 411
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 579
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 gaggatgaaa atgttaaagc gaagatgagt tttcacttcc agagtcttc catggggatt 180
 ccacgctctt gtgcaacatc gcggaactgt ctcatctgtt gtactgctgc aagagtggct 240
 ctgcgattgt tgagagcatt gttgcttcca agctgtttcc ccaatgcatt ctcgactcct 300
 gccatctcta gcacaatcct aaccgctcct ccagcaatca caccagtacc tgggtgaagca 360
 40 ggtctaagca tcaccttggc tgctccataa tcacctctg atctgtgagg g 411

<210> 580
 <211> 411
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 580
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 50 aaacatctac tggataattt gttctccata aaaaaaaagt caaacatttc taattacaat 180
 ttatacgctc gtccattttt ctcaaaatga ctaaattgac cctactcggc gatcgtgctc 240
 aaattagccg tgaatcgctt ctccctttta ccgcaacctc ttccgccacc accgtttgtc 300
 ttaactccgg caatgttttt cttttggtaa gttttttccg atgtcgttac atcgtcgtcg 360
 ccggaaaccc aaccgacgcc accgctcttg gtcaacgccg aactagcttt c 411

55 <210> 581
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 <212> DNA
 <213> Arabidopsis thaliana

60

5 <220>
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 <222> (1)...(411)
 <223> n = A,T,C or G

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 gtttgtaaac tgcacctcag atttcacatc ccaaaaacta ttctctctct ttgctctatc 180
 ttctcttctt cagctactaa ttgctctgtt taccgttact gccatcgcat tccccttcac 240
 15 caaatccgtt acgagcttct tctttcgct tcaaactctaa ttttccttct gttccgttgc 300
 tgttgtcagc cagttcttga tttgaaccgg gtgggaggaa cacaccagt cctgnnntgg 360
 gcattcgagg ttgtggtgct gtctggtgtc gtggatgagg tggcagcagt g 411

<210> 582
 20 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<400> 582
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 gttatattat gcttggacag tgccatgatg ggcatctgtg agatgaaaag ctgctgctca 180
 tggcttcttt tgatctcgtt gctttgctca ctatctaag aaagtcaagc gattagtcct 240
 gacggcgagg cgcttctgag cttcagaaat gcagttacta gatcagatag tttcatccat 300
 30 cagtggagac cggaagatcc agatccatgt aactggaacg gagtgcacatg tgatgcaaaa 360
 acgaaaagag ttataacctt gaatcttact tatcacaaaa taatgggacc t 411

<210> 583
 <211> 410
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 583
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 gcaaataaag caccttacca ctgtgaaata ccttttaaca ttgtgacaca aaaattacaa 180
 acctaacat caaacatcat tcagtacttg ctatacttac aaagttaggg ttcttatact 240
 tacctaaacc ctaatcccc gagggttgtt gaaccaatca cgattcttgg tagttcctaa 300
 ggtcaaataga cattgtactt gagcaactcc tctcggtgtc tctgtaaaact ccaaccagag 360
 45 cctccgcctt gtcatagaag ctgtccttga gagatattac aatgcttttg 410

<210> 584
 <211> 410
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(410)
 55 <223> n = A,T,C or G

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 aaagtatatc tatcacacaa ctcacaaaag agataggtag aacataatg acaaatcaca 120
 60 atcagcacac cattacatta aaagtcaaat ttacctttt aataagaaga tacaaaaata 180

5 tataaagaga agaccaagac aatttgactt gagtgattag gaggcattgt tggcctgnnn 240
 taatccattt cgaatctgcg ttgccacgtc agcgacggcg cctggaccgt gagggataaa 300
 caccgccgan gctttagaag ttgctccgat atctctcatt gtgtcaaagt actgagtcac 360
 catcaccatg tccaacacat ccttcgctga cgtccctggc acgtttcctg 410

10 <210> 585
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 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 585
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 agtccaaga acatgtttat agctatctgt tttctattta ttctctttgg tctctataca 120
 aaacatggaa ctgttctggg acttctttgt aaaacctact atctatattc aaaaatatta 180
 caaaaaatta ccaaaaaacg gttccatctt ccagaaaaca aaaacaaaga agaggaaaga 240
 20 tccgaacacc aaaatcttga cgaatctttt aacgaaacag atcagatgag agttgtagat 300
 tctgataaac ccgttgctgc cttaggtact ttcttctcca gcattgaggt tcctttgaat 360
 attgtaagct gcacttcctt ttggtactcc tgcaattgct ggtcagacat 410

 <210> 586
 25 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 586
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 ccgaacagct agggagaatt taagagcagc taagaaggaa ttcaacaaaa ctgaggatga 120
 tttgaagtct cttcaaagcg ttggccagat tattggagaa gtactacgtc ctcttgataa 180
 cgagcgattg attgttaagg caagtagtgg ccctcgttat gtggtgggtt gtcgtagcaa 240
 ggtggacaag gaaaagctta cttctggaac tccagttgtc ctggatatga ctacgctgac 300
 35 aattatgcga gcccttcttc gtgaagttga tcctgttggt tataacatgt tgcaggaaga 360
 tccaggcaac attagttact cagctgtggg tgggttaggt gatcagatca 410

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 <211> 410
 40 <212> DNA
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 tcgcgttgcc cttctcctcc atctccttcc tttatcctac catgacaatg cctatgtagc 180
 atcacgggcc ttacacattg tgaataccgt acacgccaat gctaccttca gtttgctgga 240
 agggttcttc aagcatcagt cattgtttta caacgcgcaa acacaactcc tttcaagacc 300
 tgcagttgtg gagaaaatag tcgaacttgg aacagctctg ttggggaaact catatcaatc 360
 50 ggttcttaaa tccggcttca gcgacaaaaa atcggatcgt gcaaccagag 410

 <210> 588
 <211> 410
 <212> DNA
 55 <213> Arabidopsis thaliana

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 <222> (1)...(410)
 60 <223> n = A,T,C or G

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attccgtcca	ccaccatcac	caatccctcc	aaagtctcga	tcactcgaca	ccgccggaaa	180
10 aatcgaagtc	ctcgtctgatc	gtctcgggtct	ctgggttcgaa	tacgctccac	tcattttcctc	240
cttatacact	gaaggattca	ctcctccatc	aatcgaagaa	ctcaccggaa	tctccggtnt	300
cgaacagAAC	agtctcatcg	tcggcgcgca	agttcgagac	tcttttagttc	aatccggtgc	360
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15

<210> 589

<211> 410

<212> DNA

<213> Arabidopsis thaliana

20

<400> 589

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caatagtcca	acagactaaa	ttgttagaac	aaagagagtc	gtgacaaaac	tatactcatt	180
gatgcttctt	gattgatgat	gaagcacttg	tccatgcttt	tatgagcttg	gggaaatcaa	240
25 actgcgagca	ctataataac	aatcatgagc	acgataccaa	aaatcaccaa	gagcaagcac	300
gtcagagaag	aatttgatct	ttgtgtcttt	gatgccttac	gagatgggat	tttccttggg	360
cagttgcagc	gtaagagtta	tcgatgtgag	taccaatata	atctatcatg		410

<210> 590

30 <211> 410

<212> DNA

<213> Arabidopsis thaliana

<400> 590

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ctcaccgatg	ttactcctct	tcaactaatg	actgagggaag	ctacggatgg	tgagtcatgt	180
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ttggcgattg	ttgaagtctt	gcacaaaaga	ttggcgaagt	tcgataagag	aaactggagg	300
40 atggcttata	actcactaat	agttgttgag	catttactca	ctcatggacc	agagagtgtt	360
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<210> 591

<211> 410

45 <212> DNA

<213> Arabidopsis thaliana

<400> 591

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50 aaaaaaatta	ccttggtgat	acatatggta	caactgggat	ttcttcaaaa	gttttaagcc	120
tactcgtccg	tggaaaaata	ttgccacgct	gcagcagctc	ctgcaactaa	tatgattttt	180
aagataagtt	tactagacaa	gaccgaagat	tcagcttctg	atgatgatgg	tgcttcaatt	240
ggtctccctc	taatcttggc	tgtgattctc	gataataact	gcttaagccc	acctgttttc	300
tttcttgctt	ggcttttgag	aaacctttct	tcttcaccaa	ttcgtctacg	tagaacattt	360
55 agcaatgatc	caaaatacaa	tgccaagatg	gtgcatgtga	tcgtgattac		410

<210> 592

<211> 410

<212> DNA

60 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 gttcttctta tatgagtggg tgtctgatac agttacgggt agagctagaa ggaacccgat 180
 15 tgttggttct agaagctgct gatcatcttg ataaatttgg aaacaaaaaa gctcgaggaa 240
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25
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 tttctctaata gtttttgggtg aaacagagac acaaattcca gctcaagtgt aataagatac 180
 atgccaggta ggttttagtgt ctaaagacga agccgttcga atggctgatg atgctgaact 240
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 agttggagta cataggctgg tgcgtatatc cccgtttgac agtggaaaac ggagacacac 360
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 <212> DNA
 <213> Arabidopsis thaliana

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 attaacaata ttctgcaagc catcttagta tgttttaata ggccttaaaa acacgtatag 180
 cataagtatg tttaatagag aagaagaaaa cacaatttgt aaaagacaat gttatatagg 240
 ccttttgagt ggactgcaaa gtttgtaggc aaaaccataa aaacttcaac gtctaggtgt 300
 45 tcttctgggt ttaaagaacc tttctctgat tgagatcaac tcttttgcg cttcactcgt 360
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 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

55
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ccgctggttc aatgaactat aaagacgttt tgagcgagct tgtgaattct ttggattcca 360
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<212> DNA
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tatgcaaaat gggaagcttg tgactgagct aagggaattc gtgctgagcc aagaagaagc 180
45 ttacgaggtc aagataggga agcaagagtt tagaagacct ggagatcctc catttgaaga 240
tgtctttgac aaatttcaag ctgagcaaag gaaagatcac gaagatggtg atggtaacaa 300
gaatgatctt actaaggatg aattataggt cacagaaaag cttctataat gggtagtact 360
gaaagttcaa ctcttttact gaatcttacc taaacatggt tggttttta 409

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<212> DNA
<213> Arabidopsis thaliana

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gcgaaagaat caggggtggt gtatcttctc gggcatggcg atataagagc aagaaaagat 120
tcatggttca tcaagaagt agtcataaac tacttctaca cattcctgag gaaaaactgc 180
aggagagggg tgcgaaattt gagtgtgcct cagtcgcata tgatgcaggt cggtatgaca 240
60 tacatggtct gagtatcttc tttctctctt taaacgtagt ttctattcgt gtccatagat 300

5 ctaaatttgt atgttgcgtt gatgttcttg cattgttgtg aagaatccga gtatttgact 360
actccaatct atagagcatc tagtagagga aaaagctgcc tatgttgat 409

<210> 627
<211> 409
10 <212> DNA
<213> Arabidopsis thaliana

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15 caagagacga ggagttctct acagccaagg gcacttcatt cacaggcaag gccgtactgg 120
cagctcttcc ctccatcttc cctcagatcg agtctgttct attgagtccc caagaacctt 180
ttccacactt caaggccata caaaatctct ttgaagaagg cattcagctt cccaaggatg 240
ctggcctctt acctctgctc cccagaatca tcaaagctct tggcgaagct caagatgata 300
ttctccagtt tgatgcccc a gttctcatta acagggatag attttcatgg ttacgagacg 360
20 acgagtttgc tcgccagaca cttgccggcc ttaatcetta tagcattca 409

<210> 628
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<212> DNA
25 <213> Arabidopsis thaliana

<400> 628
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30 tattttctaca aatacagagc aattacaggc aacgatttgt cttcttgtct gattcacaac 180
aagaacagca gaaactgata gttgttgtgg tgtttcattt gagctccaag aaacttggat 240
ttggattgta agagttatct gatgaagaag acattgaaga cacattaatg ggatatacct 300
ccgttacttc ttcagtcttc tcatcaaagt agaccacatc ttgcattgtt agctggtgat 360
attcgacgac tctctcaga tagaggtttt cgcggtgtga tatcgagt 408

35 <210> 629
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<212> DNA
<213> Arabidopsis thaliana

40 <400> 629
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gtaatatgaa caaatccttg taccagaaac tctcaatctc ttgttttctc caatgcgtta 180
45 agtttcagag cagcactgtt gaggcaatat cgttttccgg ttgggcgtgg accgtcgtea 240
aagacatgac caagatgggc gttacaaaca gcacagacaa cttcttgtct aggcatagaag 300
atgatagaga ggtctagctt tgtcttcaca ttgtttccaa ttggttggtg gtaagatggc 360
caccctgttc cactatcaaa ctttgttgat gaatcaaata gaggtgtg 408

50 <210> 630
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<212> DNA
<213> Arabidopsis thaliana

55 <400> 630
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gtcatggcac aagttcaagt agaagcaaat atctgtgtcc cttccaacca agctagaaat 180
ggctatagtg tatgccgtat aagggttttc aagggaaggt gtatgcaagt gagtggatgc 240
60 caaaactctg atacatgccc tcgaggttgg gtaaacgcca ttctcgaaaa ctcagggtgat 300

5 gctaccaatg agcactgcaa gttaggggtg gaaactttctg tgtgtggtgc catgaacact 360
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<210> 631
<211> 408
10 <212> DNA
<213> Arabidopsis thaliana

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atgggtgacca tgatgatgat gatgatggat aaaacatgca tatgtgcgga catttccaga 180
ggcagttttc caaagggtt tgtctttgga actgcttctt cggcttttca gcatgaagga 240
gcggtgaagg cagaaggcag aggtectacg atatgggaca cattttccca cacttttggt 300
aaaatcaccg attttagcaa tgctgatgtc gctgttgatc agtatcatcg ttacgaggaa 360
20 gatgtacaac ttatgaagaa tatgggaatg gacgcttaca gattttcc 408

<210> 632
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<212> DNA
25 <213> Arabidopsis thaliana

<400> 632
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30 ttatcaacag tctccgacgc ttggcgcgta ccactcaggt tcatttgcac agtaggtatg 180
ccacttgcac gtctgggaac tccacttcca ggaggatttt cactactgag gcagcacctg 240
agaagaaaaa cactgttggg tctaaagggc atgatatgct tgcacctttt actgctggat 300
ggcagagtgc tgatttagat cccttgggtc ttgcaaagtc tgagggaagt tatgtgtatg 360
atgatactgg gaaaaaatat cttgactctc tcgctgggtt atggtgta 408

35 <210> 633
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<213> Arabidopsis thaliana

40 <400> 633
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caaacaataa tgtcttttaga aagtagagat ctcaacttct caacttatca cataaaaaaa 120
gtctcctgaa aacatgcatt cttaaacaaa gtcttccact agtagcatgt tgttctctag 180
45 atagatagat atttcttgc taaatcgatgg ataggcgtgg aacacaaaaa tccacaagca 240
gcacagatgg ccctacgccc gccaaataaa acatcctgct caaagccact ttgacaacta 300
caaacttctt cttgtaccat accttcacta ttgccatgga ctttccttgg atcttctctg 360
ttccaactac tateccatct ctaagtccaa cgtagcgcgc atactcac 408

50 <210> 634
<211> 408
<212> DNA
<213> Arabidopsis thaliana

55 <400> 634
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ctacaatgct agagttgatg aggttaaaag taaattgaaa ggtcatcaga agagagtgc 180
tggttttagca ttctcaaacy tgctaaatgt tcttgtttcc tctgggtgctg attctcagct 240
60 ttgtgtatgg agcatggatg gatgggaaaa acaagctagc aaacagatac aaattccaag 300

5 cgggcattca ccaaattccac ttgctcatatc acgcgttcag ttccatcaag accagatata 360
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<210> 635
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 10 <212> DNA
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<220>
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 <223> n = A,T,C or G

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 acgcttgccg aaatgttact acccggtgat ttcactcgtc tccaagacct ttaggcgtct 180
 catagcttca cgggagatct acgttgaaag gtcattactt cgccgcaccg agcgtgtcct 240
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 accctttgga aatgattcaa ataaccatag attgnttcg attccgtcgn ntnnntcgat 360
 25 tccttgctgg ggaatgtcaa ttgtcgctat tgattctgaa atttacgt 408

<210> 636
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 30 <213> Arabidopsis thaliana

<220>
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 35 <223> n = A,T,C or G

<400> 636
 40 agaggagtac gagactccca ctgctgaaat gctcttccct cctacaccat tgcagactcc 60
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 ctcaagtgtat tatccactc ctggaactga gaatggagtc aacattgatg ttaaagcaag 180
 acctagtctt tatatgccac cgccttctcc gtngactaat cctagacttg atgtcaatgt 240
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 ggatttatatt gtgccatctt ctgggaaacg aaaacgtgat gattcatctg cacactatca 360
 aaatggtgga tctatacctc aacaagatgg tgcaagcgat gctatccc 408

<210> 637
 <211> 408
 <212> DNA
 45 <213> Arabidopsis thaliana

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 50 <223> n = A,T,C or G

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 agaacacact aatgtacggt acttcatggt actgtacgga agattagata agaaagaagt 180
 gacacacgac gatggatcaa agcttgaatt atgcatgaga atgggtagat cagcaatgtc 240
 tgggtgcagaa gcaacgacga cggaaatccac ggcagttacc tccgacaaag ccttcgttgt 300
 ggcacacggt ggcgcagttt gatgcactca cgcagtgtacc cttgaacctt tggctctgctg 360
 actcacaagt gcgtgcctcc acagtgtactg gtcccatccc agtggcga 408

60 <210> 638

5 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 638

10 cgagcggccg cccgggcagg tccggtgtcc attgaagtgt ataatcctaa tgggaaatac 60
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 ggttgtcgcg ttgagatatg tcatttgaag aagacaatct tgtctgtaga agatatcatt 180
 gatctgatcg gagacaagtg tgatggagtc atcggtcagt tgacggaaga ttggggagag 240
 actctgttct cagctttgag caaagctgga gggaaagctt tcagtaacat ggccgttggg 300
 15 tataacaacg ttgatgttga agctgccaat aagtatgaa ttgctgtcgg taacactccg 360
 ggagtgttga ctgagacgac ggctgaacta gctgcttctc tttccttg 408

<210> 639
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 20 <212> DNA
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<220>
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 25 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 639

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 ttaggttcgg cttggttcct gcatcgtag cattgcttgc tgaaagmnga caatgtgtaa 180
 tgcacatcac ttgttgttat ctggtgggtg ataactattc tgatccggga tgagtttccc 240
 cggataagga gaatgccatt ctctcttaga ttcttcgca gtttctcagc cgtaagtctt 300
 gaaccatcct ccatatccat gaaaatcatg ttggtctcca cggctgcaac atttactcta 360
 35 atccctttca tttgattcaa cccttcagct aacaacttag cttctctg 408

<210> 640
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 40 <213> Arabidopsis thaliana

<400> 640

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 ttcttcactt gtcgatccct gccttcacag atctgccttt aattcaaatt gaaatcaaga 180
 agaagatcgt ttcccttcac aatcaagact ctcatcgaaa ttcttcgaag ggtatttagc 240
 agttatccca gcaacctcaa agacaagatt atctccagaa gatcgaatcc cagtaataga 300
 ccacgacttg aaaaacgccc gaacccgaat cccttggagc tccgcgatct taccctgaga 360
 gatccgaccc gttactttgt tagaataagt agcgatgtag ttatcagg 408

50 <210> 641
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 <212> DNA
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55 <400> 641

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 aaagcctttt ctcaaggcca caatgatggc tcaaaaagtg aacatctttg aatccagcca 180
 aagcaaaacc tgaatgcaat gattcagtta ctccggactc atcattcttc ggctacatga 240

5 tttgaacggg tacccgagtc actagcacca gcggtctttg tagccgcttg tttcttcctc 300
 ctgctcttag ctttcttagc tttcattcga cgtttcttct cagctgaatc gatccatttg 360
 taatctgaag gtatcaagaa agggtcagcc tctgctttgt aacgggta 408

<210> 642
 10 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 642
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 atccataaga cattattcaa gaaaacgaaa attaaaaact tgagctttta gattccctat 180
 tctttctcgt cctcgtctgt gcagctactg ttgctgctcc actcacattt caaggtagat 240
 ctcgagaaac cacaatacct tcttagcttc tcaaaactct gatacatcac tgttcctctc 300
 20 tctttctccta gagactccat tgttgactct ttgcatccgt aatcgtctag gtccacagag 360
 agaccagagt cgtagctctt ctgtgccacg gtcgagtggg cagctaca 408

<210> 643
 <211> 408
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 643
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 gaaaacaagt ttcgatgttc caccgaagtg ggcaaattct taaaccgtac caaactccca 180
 taaagactcc aatacactta gaatgaaaaa gcaagagaca aattggttgg agcccaaacc 240
 catgtgggtc aaagtctctc taaggagtta cttactgctg ggcacattgc accctttgag 300
 caccaccggg atggtcatca tcttcatcgt catcatcata agcctctctt tgagcttgtg 360
 35 ccttctctct catctcatcc tcaatgttga catcgtggag cgtggtct 408

<210> 644
 <211> 408
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 644
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 45 aaaaagagag tttcttttgt tttcctagta cttatactta ttgctattct tttgtacaaa 180
 atcctaaaaa agaagaaaaac tttttaaaac catgttaaaa agaagaagaa gagcttcctt 240
 tegtctcttc taacaatcca ctcttctctt ccactaccgc ttctgctaac tttttacaag 300
 aacctaactt aagagagatg gaaggaacct tgaccttcgg ttatggcata aatcagcttc 360
 tccttcatct tctctttgga tgaataagga ggaagcttca gataattg 408

<210> 645
 <211> 408
 <212> DNA
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<400> 645
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 atacgtcaga aactggtcaa gcgcgccaac ttttgggtga atgagctcgg actttcaaac 180
 60 gtacacttca tatttgcaaa cgccatgggt tcttttgaac atcttatatc gagctatcct 240

5 ggaccattgg agattgtctc aatcttgtgt cgggacctc atttcaagaa acgtcatcaa 300
aagagacgtg ttgttcaaaa gcctttgggtg aattccattc ttcaaaacct aaaacccggt 360
ggaaaaatat ttgtgcaatc cgatgtgctg gatgtggctc aagacatg 408

<210> 646

10 <211> 408

<212> DNA

<213> Arabidopsis thaliana

<400> 646

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gtcacaacaa gaactacaaa tgttcattgt gatgagctca ttgtcaccac cacaagccct 180
tacgagcaat ctgcattcgg ttccaagaca gattggcgtg tacgtgcaat atcagccact 240
aatctttacc ttagagtcaa tcacatatat gtgaactcag atgacataaa ggaaaccgga 300
20 tacacctaca tcatgccaaa gaacattttg aagaagttca tatgcgttgc ggatcttcgt 360
actcaaattg ctgggtattt atatggtatt agtcccccg ataatccc 408

<210> 647

<211> 408

25 <212> DNA

<213> Arabidopsis thaliana

<400> 647

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caagacaggc tgcacttggt gctgggattc cctattctgt gatctgcacc actatcaaca 360
35 aagtttgtgc tgcaggaatg aaatctgtaa tgctagcgtc tcaaagta 408

<210> 648

<211> 407

<212> DNA

40 <213> Arabidopsis thaliana

<220>

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45 <223> n = A,T,C or G

<400> 648

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50 agaactagaa tataagcaga cgacatgcat agagaagtcg tctactgcaaa taaacagaag 180
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aagggttgat cacagaagta gaagagaggc aagaaccatt gcgaaaacag aaagtagaag 360
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55

<210> 649

<211> 407

<212> DNA

<213> Arabidopsis thaliana

60

5 <400> 649
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tcttcgtctc tcttattcga cgacactcag ttacagttta aagaaagtgt atccaagtgt 240
10 gcgcaagata ttatcgctcc tcatgcagaa agaattgata aaactaattc atttccaaag 300
gatgtaaact tatggaagct aatgggtgag tttaatctcc atggaatcac tgcgccagag 360
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15 <211> 407
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ggccgtcttt tctgtgctgt aaaagacttt tgtcgaatca ataaattaaa caacatccgt 180
ttaaacctca tacgtcacac ggtgtgacaa caacacattc gccctttaac acgaatcttt 240
caccgaatcc atagtcataa gacgcctcga atgagttttc atcaagtgaac acgtccgttc 300
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<210> 651
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35 <212> DNA
<213> Arabidopsis thaliana

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aggatgtcga acgaggaaca tttagtcacg gtcattctgt ccttcatgac caggaaactg 180
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ttagcaacag ttctctttca gaatttggtg tccttggggt cgaattgggt tactccatgg 300
aaagcccga ctcgttggtg ctatgggaag ctacgtttgg agacttcgcc aatggagctc 360
45 aggtgatatt tgatcagttc atcagcagtg gagaagccaa atggctg 407

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50 <213> Arabidopsis thaliana

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55 <223> n = A,T,C or G

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60 aggaagtgtg tgatgatgct atgcatcgtc tacgattaac atcgaatctt gaagatttgt 180

5 gttctgctga tatcatcgat gaagccattg tggaatcaga agacattaag aagaagctgt 240
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 tatccattac tcgtcttgca tctgctacga gaagaccag ccaggtcatt ggaatgcact 360
 ttatgaaccc tcttccaata atgaaactgg ttgaaatcat tcgcggt 407

10 <210> 653
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 653
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 ggccctggtt caaaggctga cgggtctaga cgagattatt agacggaaca ctagtgaatc 180
 ttctcttctt gttgtgacgg aagaggttaa cgtcggggat gataacacgg cggctccgtt 240
 20 tagtcaggat agaacacaac gacagaagtt aactgatatg ccgttggttca caccgagctc 300
 gatgaccttg tttggttctc caactcaact tatgtatatg tcaccgaacc ggaccgattc 360
 atttcgaccc ttggttttta agtccgaata agacttctta gcaaaaa 407

<210> 654
 25 <211> 407
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 <213> Arabidopsis thaliana

<400> 654
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 aggaaacatc gctttaaaag gttcgtatac gacaactctc ccaccaagat ttaatatgtt 120
 taacaaaaat tagaaaacat tcatattgtg cccccagcca aaaaaaaaaa actactcata 180
 tactattagt tataaaatga gatgaaatgt gttttttttt tttcttttta atagttcaca 240
 agcaacacat gcatctatga gaagatcaat atacaaatta caactttttt ttgtataatc 300
 35 tcgtctcttt caattttaa tgtgaaatct ttctttaaca agcagagcca gcttctacca 360
 gcttgcttaa tttgttggtc cttaatcttt cttcgtaaac ttcactt 407

<210> 655
 <211> 407
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 655
 aataatcata taaactcact gtttggagtc attttttgtt cccaagcag taaaattctg 60
 45 cagtcacagc tattaaacga catacaaa aaaaagggtac aaaaaataag aactggacta 120
 gtcaagctgc ccaattatct caatggatct aaaagctgca atcaaagggt ttctctgtcg 180
 gttttcatgc tccaatggct gtatccatgt ctgcaacacc atcggctcct ttgaatacaa 240
 ctcttacctt cgttggtgcac gactctttct cattgttctt gagggctctt tgtccaaaca 300
 cgtggatagt gtccttctgg actcttccca tgaggtcata aagcggcttg cttagctttg 360
 50 gtctgtgaaa ctcttctaga accggagggt cctgcatgta gagagtg 407

<210> 656
 <211> 407
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 656
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 60 tattttcttc accgattctt gggcttctcg acggcaagggt tgatgtcgtt aaatttctga 180

5 tgatgactta tcggcatgtg ttacagttaga attctaaagt caacacgtgt tttcggataa 240
gagtccaacg ttaagaatct ttttgctgta gatgttattc taatgggcta ttgttgggct 300
ccaattttct tgctgcacaa tcgttgtagg ctttaagtct tgtatctttt gtttaataaa 360
attcacacgg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 407

10 <210> 657
<211> 407
<212> DNA
<213> Arabidopsis thaliana

15 <400> 657
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tcacgcaggc acagttcaag gtcacggtct aggtcccat ctaggtcgtt atcacgctct 120
ccgaaacgct cacgcagacg ctctccatct tattggaggt ctcccaggcg aagaagcagc 180
aggtcaaggc actgaagaga ggaaactcta attgttgcgg cagctttttt tgttgcctct 240
20 gttcatgttt tttttttttt ttctgtgtgt tttcgtatcc ttacgattca gtggtaaaat 300
atggttttgt ggggtttacat gggataataa caacgttttc atatgatgtt ttagaaattt 360
ataagatgtt ataaaaaaaa aattattttta aaaaaaaaaa aaaaaaa 407

<210> 658
25 <211> 407
<212> DNA
<213> Arabidopsis thaliana

<400> 658
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tccttaaaac attgaaaaag aagttggtta aaaaagaaga tatgaatatg tataatgtct 120
tagaattaag ttgagaaaga aatatcctag caaaatccga gaaaattaag attgtacttt 180
tggcatccaa aaaaaagagc gaaatccaac accagatagt atagaagaaa ttaaaaacaa 240
ccgatgcccc caaaggagtg tttcatatga cttgatagtt ctgggcaatc agctgcgtcc 300
35 tctgcacaaa cctaggagtc gcaccaccac ctctctcag aggaatcatt ccagtcacct 360
tcaagccact gtaggtactt gtcgctgcaa actgaacaga gatgggg 407

<210> 659
<211> 407
40 <212> DNA
<213> Arabidopsis thaliana

<400> 659
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45 atagtcgcac gtaatgacag atcacagcca tattattaaa agcttggtgt aaaaaggggt 120
ttcgtttctaa tgcccgaaaa taatattcta aagcttttgt atgttcccca ttacttgtat 180
ggataaggcc tatattatag agtatataac ttcgatcata ggggtcaatt tctagtcgca 240
tagcttcata ataattctgt aatgcttccg cataatttcc ttcagattga gccgacatcc 300
gttacggtcg tcattcgttt taacgaactc tccgtttcag aaccgtatgt gagattttca 360
50 tctcatacgg ctctctcttt aggtgcataa tgaaaacgga cgcgtgg 407

<210> 660
<211> 407
<212> DNA
55 <213> Arabidopsis thaliana

<220>
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<222> (1)...(407)
60 <223> n = A,T,C or G

5 <400> 660
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 attgaattcg aaatctgacc agagaacgac attaactcga aacaaattca taagatcatt 120
 acaaaaggaa aaatcaagag acacaaacca aaccaaagaa cccatttttt tttttnnnnt 180
 10 agcaaaccaa tcacccaaaa ctgatata ataaaccgga ccatgactct gcaaattaaa 240
 gaaacacaac ctcggtcaa agacactctt cactcttctt cttcatcata actaagccaa 300
 gattcttcac ttcttcactg ctgcttacat tccggtggcc tctcacctgc ttgaccttcc 360
 gcaagttgac ttcttcacgc cttcttgtgc ccagctgatg acttctt 407

15 <210> 661
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 661
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 cattttgtgg ttttaggagc tgtgggattg acgtgacatt agaatcatcc gttgtttccc 180
 actttctgat cttacaattt ctcttttctc tatagtactg tctggagaaa accatttcaa 240
 25 caatatccca agatgtacaa ctgctgggtat cattttgaaa accagcgggtg tcgtaaccag 300
 gcttagagcg gttgtcccaa ggagaagcag atagagtttc ctttcgatga ggtgaagatt 360
 ggaggcacgg ctaagtagta caaaggcaaa ctcccctatc tgagcca 407

<210> 662
 30 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<400> 662
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 caccgttaca atctcaagcg caagatagct ggtgttcctg gagtaacaga ggcactattt 120
 gaagctagac aagctgctat agctcaagag aagggttaaag ctggtgaagc accgatgctt 180
 tatagttggt gaatctgtaa caaagggttac aggagtcca aggctcatga gcagcatctt 240
 aagtcgaaga gtcagtgttt gaaggcttcg acgagtactg gagaggagga taaagcgatc 300
 40 atcaagcagc ttccgcctcg tcgtgttgag aagaataaca ctgctcaatt gaagggttcg 360
 attgaggagg aagagagtga agatgaatgg attgaggttg attcgga 407

<210> 663
 <211> 407
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 663
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 50 aaaaacagaa aaaaaattct ttaggttttc attttgaatt cttaccagag agtttcaatg 120
 gtggtagcaa cgaccatagc gctttacgag agtccagcga gcaactgtatg ttccacagct 180
 caccaaatac acgctcatat ctcatgtgac ctcgatctga actctagatc ttcatcggcg 240
 tcttcttcca cgagttcgcc gactatcgga ggtctctctt tgcctttctc cggcgcttcc 300
 gtcaaatcat ctctctcttc ttctcatcg catccatccg taggagagga attagcttca 360
 55 atacgccatg atcgtagcga ggatcggacc ttaagcggat ccttctg 407

<210> 664
 <211> 407
 <212> DNA
 60 <213> Arabidopsis thaliana

5

<400> 664

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ttcttctaac	aacgatcacg	gtggaaatgg	aatccatgat	gagatcggag	tccacgtggc	180
gagatccgac	gggtgggtgaga	gttttaagcg	tgatatgaga	gagcttcacg	agctcttgtc	240
taagcttaat	cctatggcta	aagagtttat	tcctccttca	cttactaagc	cagttgttaa	300
tgggttttaac	ggcggtttct	tcgccgttaa	taatggcttt	gttgctgccg	gaaatttccc	360
cgccaacgaa	gacggtagct	ttcgctcgaa	gaagtcgttc	ggacaac		407

15

<210> 665

<211> 406

<212> DNA

<213> Arabidopsis thaliana

20

<400> 665

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atagaaaaaca	ttacatttag	aaagaaaaag	aaaacaagtt	ctatagagaa	aaggaaaaaat	180
gttacaacag	acacgtaaga	caacaaaagg	gagaaaagct	actgagccac	tgtagaagca	240
gtagctcctg	attcatgtga	agacttatat	tccaacatct	caattctgta	tctctccaca	300
tccttaactc	ctttgtcttg	ataaacctgt	ttctcagatt	cagtgcagatt	gctccacatg	360
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30

<210> 666

<211> 406

<212> DNA

<213> Arabidopsis thaliana

35

<400> 666

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ttaagattca	agaatcaaca	acacaccaa	ctagagcttg	aggaaaacga	actcctcaac	180
cgctggaatt	tccccaatct	tcttcagttg	ctctttgctt	ggtatgtcat	ctactccaat	240
cgccataatc	gcttgcttcc	tcggtgcaat	tctcccaacg	ctcatgaagt	taacattgac	300
attagactct	ccaaggatgc	ttccgacagt	cccgatcata	ccagggtgat	ccacctgcct	360
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45

<210> 667

<211> 406

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

55

<400> 667

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ataaaactaga	tgaaatgtag	tagtactttg	atctcaaact	ccaggaagtc	ccttttcggt	180
tgcaatcaaa	cttcaggaaa	cacaacttct	atcatacttt	cttccccaag	aaaactcttc	240
aaccgtttaa	cctcgtcatc	actttctcca	tattccagaa	tctgcaactc	cttcacttgg	300
ttcagaggca	tggagacatc	gagtgggtaa	cnattcagat	cctcgatgat	gagagtttca	360
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60

5
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 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

10
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 tataagtgtg tagtctttac ccaaaaaaaaa acaagaacta tgactatgag accaaccata 180
 15 cgacatgggt tttactaagg aaacaatgat gtagacagac ataagtgcac ctctgcaa 240
 agacaaatgg tataacggta aaacgggtact ttaagattgt gggatgggct tcaaagtagc 300
 tgggccttct ctctgcctta ggagttccgg gaacttttgg gaattccggc aacttgggaa 360
 gttgagggcat cgtcggtagc tctggccttg gaatctctgg aactgc 406

20
 <210> 669
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
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 <222> (1)...(406)
 <223> n = A,T,C or G

30
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 gtttttctct ttctctgggt aagttgaaag catcgatatc caaagtaacg agcatagtgc 180
 ttatgtcaca tttaaagaaa ctcaaggagc agagactgct gtgctcttat ctggagcgag 240
 35 tattgccgat caatcagtca tcattgagtt ggctcccaac tacagtccac cagcagcccc 300
 tcatgctgaa acacagagca gcggtgcaga atctgttgtc cagnnnnncag aagatgttgt 360
 gagcagcatg ttagcaaagg gtttcattct tgggaaagat gctgtc 406

40
 <210> 670
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

45
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 ctgagaactg cacagatgag aaaaatctcg cttctgattg ataaggcgag aatagagaag 120
 gaccacgagg ttttagagat aggatgtgga tggggaactt tggccataga agttgtgaga 180
 agaactggat gcaaatacac cgggattacg ctatctattg aacagcttaa atatgctgaa 240
 gaaaaagtga aagaagctgg acttcaggac tggattactt ttgagctccg cgattatcgc 300
 50 caactatctg atgctcagaa atatgacaga atcatatctt gcgagatgct agaagcggtc 360
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55
 <210> 671
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

60
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 <222> (1)...(406)

5 <223> n = A,T,C or G

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10 ctgccctgaa gtccatatct ttaattccta tccatgggga tatgaagann natgcaagag 180
acaaggcatt agcttcgttt actaaagcat caagtgggtgc ccttctgtgc acagacgttg 240
ctgcacgtgg acttgatatt ccaggcattg attatgttgt tcagtatgat cccccacaag 300
acccaaatat gttcaaccac agggccggca gaactgcaag attaggaaga caagggaggg 360
ccattgtgtt tttactgccc aaggaagaag cctatgtaga gtttat 406

15 <210> 672
<211> 406
<212> DNA
<213> Arabidopsis thaliana

20 <400> 672
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ctccgatctc cgccgccaac gcttccccgc ctccgtcctt cccaatctc tttgccccgc 120
cgccgatttg cctctttcac taatcccagg aatttgggag agctaggatg cacagagtca 180
25 ttcttgccctc tgtacaatgt tgtggctgca gcgagactca catctcacct taatgttaat 240
ctgcgagctt tctgcgaact ctctaacggg aatggaaaag atgggtgatg gaagtggatt 300
ttcagtcgct ggcaagagag gtgctactgc tttgtacttg agaatgcaca aagtggatac 360
atcagttatc ttgcagcagt tggagacttg agaaaagggg tgtacc 406

30 <210> 673
<211> 406
<212> DNA
<213> Arabidopsis thaliana

35 <220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

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cactttgcaa cagaaatgtg caaaaagatt ttggcccatg gaatcacttc ccttcatctc 120
tacacattga acgtggacaa atcagctann nggatattaa tgaaccttgg tctgattgat 180
gagtcaaaaa tttctcgctc tctaccttgg agacgcctg caaatgtttt ccgtactaag 240
45 gaagatgttc gcccaatttt ctgggcaaac cgtccaaaga gctacatc tagaacaag 300
ggctggaatg acttcccaca tggacgttgg ggtgattcac acagtgcagc atacagtaca 360
ctttcggatt atcagtttgc gcgcccacaa ggacgtgaca agaagc 406

<210> 674
50 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<400> 674
55 ttgactcagc ttcaccctct gctcttttga tctgaatgat tttctcagcc tctgcttttc 60
gctcgtctgc actctcatcc tcgccgggc gttgatttgc ttcattggcac gtttaacctg 120
ttgatcaggc tcaatgtcga taattagggt ttgaaggatt tcgtaaccat aagcagtcac 180
ggctttgtct agctcttctt ccacagattt ggcaatttca ttcttctgct cgaacacatc 240
gtccaagtta agcttttgaa cacatgctct gatcacatca aagacgtagg ccttgatttg 300

5 ggtgggttgga ttgctgagtc tgtaaaaagc atcacttgcc ttgtcagcta agactctgta 360
 ttgtatggat gcaaccactg tcacaaacac attgtccttt gttttg 406

<210> 675
 <211> 406
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 675
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 acattttctc ctgaaggctg tctctttcag gttgagtatg ccattgaagc tatcaagctt 180
 ggttctactg ctattgggtg aaagacgaaa gagggagttg ttcttgacgt cgagaagcgt 240
 attacttcgc ctttactgga gccgagtagt gttgagaaga ttatggaaat tgatgacct 300
 atagggttggt ctatgagtggt tctgattgct gacgcgcgaa cacttggtga gcatgcacga 360
 20 gtagagaccc agaaccacag gttctcgtat ggtgagccaa tgactg 406

<210> 676
 <211> 406
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 676
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 30 atttggtat gatgatgggt caagatgagg ttgggagtga tcagacgcaa atcataaaag 180
 ggaaacgtac gaagcgacaa agatcgtctt cgacgtttgt ggtgacggcg gcgacaacag 240
 tgacttcaac aagttcatcg gccggtggaa gtggaggaga aagagctggt tcagatgaat 300
 acaactcggc ggtttcgtct ccggtgacta ctgattgtac gcaagaagaa gaagacatgg 360
 cgatttgtct catcatgtta gtcctggtgga cagttcttcc atcgcc 406

35 <210> 677
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 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 677
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 gacgaatgag aagcattcag aggtctgtgc agcttatata gaggcacaac aaggtaaagc 180
 45 gaaggagcag caaatgcaaa tacagcaact gcagatgatg cgccaagctc aaatgcagcg 240
 tagggaccct aatcatcctt ctcttggcgg tccaatgaat gctattgggt ctgaagggat 300
 gattgggacg tctaattgcta gtgctttggc tgctaaaatg tacgaggaac gcatgaagca 360
 gcctaattcct atgaattctg agacatccca acctcatctt gatgca 406

50 <210> 678
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 678
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 acgacgacag ttatgttttt gcttttagtt ataaagcgcc tcaattagag acagcctctt 180
 ctttcactga aggacaatgc actattgtga agctgccacc attcatcgaa ttctgtctct 240
 60 caagctcctc ttcttcttct tcttcgtgac tactaaaacc gatggcatca aatatcatag 300

5 tgttaacttc tctgaatctc tcctctgata aagaaacttc agctagtaac ctccatgcct 360
 tctctttctga cgctccttca tagtcttctt tcctccggac gcgtgg 406

<210> 679
 <211> 406
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 15 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 679
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 aaacaaatta caacaatata aagatatcat caaacgagga atttttaaaaa caggaatgaa 120
 atgtgagata tagaaatctc aattttaaaat gtgtaatctc taggcacatt tgaaaccaga 180
 tggaaccttc ttaccacaat ggtttaggac aacgttcaaa gaaatgggaa cattaagggtt 240
 gataccaaga acattagcct ttagggcagt gcaaagacag accgcggctt caagatcaac 300
 tagacctttg ataagagcgc aacngttgga cgttggtggc agagaaaacct taaccaaactc 360
 25 caacacgtta gcacatacct taagtttaag agcgtcttta caagtg 406

<210> 680
 <211> 406
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(406)
 35 <223> n = A,T,C or G

<400> 680
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 atctacttac actccactta atcttcgtcc tcacattttt gttgtctgaa atctcatcag 180
 gtaggttttg gacaaaagat atgcacaccg actgtggaac ttgtagtatt 240
 actgagattt gcccttctgc cttcaagnnn nnnccgagca catcatccaa attgaagaaa 300
 tctcccaaaa gtgtcatgtt tctcctatct ctggattgca ttgcgctatt ttgccaacca 360
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45 <210> 681
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

55 <400> 681
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 aaatgttcta aaggaaagtg atattacgan mnnmncaaaa ccataatact gaaaacacaa 120
 agaaagttaa cccaaggag cgtaatagct tgttttctct cacaacagaa tcgatattga 180
 60 tcaaatctac cttaaaagt acatctcata ctcaaaataa ctcaaaagt aaccaaactg 240

5 cgagattaca gctaaaactc agattaagca gcagcaccaa gaagctcctg atcgaaatgc 300
catgttccat gtcctttgcc aagtctccta agttgagaaa catattctga gattttctta 360
atggcttcca cctgttcgtt cagaaacaca ctctcaataa aatctg 406

<210> 682
10 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<400> 682
15 gcggccgctt ggtgtagaca aattcaaacc ctaaccctag attgattgctg tacggagttt 60
ctcttttggtt aaaacccccca caaaaactgg gagagcgatg aggaaagagg agattccaga 120
taaaagtcgg actatcccga tcgatccgaa tctgccgaaa tgggtctgcc aaaactgtca 180
ccactccctt accatcgctg gcgtcgattc ctacgccggc aagttcttca acgatcccc 240
tccgtccgct acgcagggct catctatcca tggagctaac agtgttcttg gttcaacacg 300
20 catggacaac tcttttggtt ttttacctcg acataagcct cctcaatctc agggcattcc 360
tccacgtcct cgcgggggcgt cctcacctca gctgatgct actcaa 406

<210> 683
<211> 406
25 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
30 <222> (1)...(406)
<223> n = A,T,C or G

<400> 683
35 tttttttttt tttttgatta tataagctct tctctatact aatcttttagc aaccaccaga 60
gtaggattaa attacaattt cattttcata tagtagaaga agcagaagca tgattataaa 120
caagatttga cacacacaca tatatatata tannnagata cgataattaa ggcaaagttg 180
gagagagtga aggattagtg accttaagct ctccacagcc actaatgaaa accgtcttca 240
aaggtctatt ccacaaagat ctgcggtttt gagctctctc gtctccaaga aactccgcaa 300
aatcgttaaa ctgtttaata ttctccgacg gcttatacgt cggaatcgaa gaaataactcg 360
40 tcactacatc taatccttca agaacagttc cgaatacaat gttacc 406

<210> 684
<211> 406
<212> DNA
45 <213> Arabidopsis thaliana

<400> 684
50 tttttttttt tttttttttt tttgttacct tcaatgaggt aaattaaaat tcaaaagcac 60
gtaaatatct caacaaattg tattagctac gtacggaaaa taaacagata caaataatca 120
aatcatatac agacgaataa atcaaaaatca aaccacacaaa atcgatcgaa tgagttcgta 180
catgtaacca gtttgaaatt tgcttagatg ttgattaaca ccaacgggtga tagtgtctat 240
aaccttttagc caaacgggtg ggatacaggt gcaggtccag cgagtgcac agagcggttg 300
atgcttccca taccgcatat gatacaaccg ggcgacgaaa gagcagcaaa cttagcacca 360
cagagatcac aaacatcgta tccaatagtc gataatctgc tgagcg 406

55 <210> 685
<211> 406
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 685
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attcaggatg tgggttcttg gtctaatactc atgttctctc ctctctttcc ttaaccaatt 120
cttctcgtac cgaaccgaac cgctcgtaat cactcaaate acggttcagg tggctacact 180
acctatcggt catttcttg ccaaggtgct tcccaaaacc cggtttgggt taccgcggtg 240
10 tggatcggcc cggttctcgc tgaaccggg tccgtttaac atgaaagagc atgttttgat 300
atcgatattt gcgaatgcgg gtagtgcttt cggatccggg tcggcttatg cggttggtat 360
catcacaatt attaaagctt tttatggcgg gagtatctct tttatt 406

<210> 686
15 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1) ... (406)
<223> n = A,T,C or G

<400> 686
25 cacattataa gactttaaga ataaatgatg gtacaaacaa aattcgttgc ttttggtata 60
atcttggtgc caggatgaaa taagcacgac atcacaagta gagagacgcc gcgaatacaa 120
tgtctctttt gatcttgga acagcttctt ctagttagc ttcaagctgt gtttctccta 180
tagattttgc agctactatg agctnnngca gaacttcctc cattctcctt atcgctctga 240
tcaagctccc ttcgaaaaca cgagcaatct ccatgacctc atagaatttg gacccttttg 300
30 cccaagcata caccgcctcc attatatcag gtctgaaaga ctgcacaaaa ctctccacgt 360
ctatttcgac cttgcagtca agctgaactt cagctacacg cctggc 406

<210> 687
<211> 406
35 <212> DNA
<213> Arabidopsis thaliana

<400> 687
40 attacatcgt atgttcatcc cactcttttg gtctttatat acaatgacct tgattttattg 60
aacataacac atctaaaaga atttgactct ctttttcttt tgtttttcaa aacaaagtga 120
tatatatatt caagaatatt ataagagctc tctacctcta catggagcaa ccagactctc 180
ttcttcagta cgcttatttt tccagtgaac atgacaaaac ttcaaggcca agaacgtgag 240
tcctttggct ttaacactca agaacttgag cattctctgt tgatcttggc cagctacaac 300
cactggacca tcccaacaca cccaagacta aatccacctt agcgcaaaca ctaaccaaac 360
45 tttcaatggt tgcttctatt tgaaataaca ttactgctaa tcctct 406

<210> 688
<211> 406
<212> DNA
50 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1) ... (406)
55 <223> n = A,T,C or G

<400> 688
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tcgaggcgac ggaggtcgtt gtctagacag cgggctagta ataatcgtgg tggttcaagt 120
60 aaggttgatt cgggtgagcaa caattcgagc cggcgagggt cggtttctag acaaccgaat 180

5 gagaggggta aggtcgagaa cagtgggtggg gtaattgagg gagatcgtga gaacgcgaat 240
tcgcggcgac gacggtcgct ttctgttgct cgtcgtcgga ttgagaattc tgagagtgat 300
gtagntcaag ttcagtattc aagcagttca agggatgtga agagcttcat gagtggaaag 360
agtcaaaata gtggttctca gaaatctgct gcttcagata atagac 406

10 <210> 689
<211> 405
<212> DNA
<213> Arabidopsis thaliana

15 <400> 689
tttttttggg attgattttt ttttttttct taacctaaac gagaaattaa ctgatcaatg 60
aagttttcaca tcaaaattaa atctcactct aggaccgatt ttcttggttc aactctcaaa 120
tacatcggtt cgttctgatac attgatttga gtggcaaatg ctataaaccg gggtaatgcc 180
ttcccaaacg aaaccaaacc ggaccgaaat tctcattttt tgtgagcttc caaatcagac 240
20 attagcttag ccggttttagc ctttttctgt cgggtacttg catatgagta ccacacacca 300
ccagctgtgt tgaccactaa accggacacg ttcaaagcat gtacttcaac accacccaag 360
aggacaaaac cgagcgtagt ggaaccaacg cctttgagaa cacca 405

<210> 690
25 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 690
30 tttttttttt ttttcttcca aaacattgat gttattactg ttgattggca taccaaaaata 60
ggcatgtcat atccatagat cgtaataagc aatagcttca agaataattg tgggagatcc 120
actacgaccg agaaactgcc aaagttgatt aaagtagttg tcaagttggt taacaacatc 180
aacaatatga agaaataacc tttgtgacat tcagaaccga cgatggaact ctctttcacc 240
atacaaaaaga ttatcagaaa aaataatcat tgaacaaatt atgatgagca gtttctttat 300
35 cagggtgtat tactgctgta ccaagaatag agcctcgatg acttacgtga ttgctatttc 360
gagtgagttg gtgaataagc cgattgttgt aaactaataa attga 405

<210> 691
40 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 691
cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttgatcga 60
45 ctattaattt caattttgat aatctgaaga acatcaatat catccatttt tattttgata 120
atatcatact tgactaggac tgagcataat acgagagtct acgaaaacaa taacgggtgaa 180
gcattataac aacaccaatt attcattaaa tctatgagaa ttcacgttgg tttcgggttta 240
taaactctgc taatatttga tgtaagcaac ggaagaagtg ttggcatctt tgataagtgt 300
accaagaaga ggagcaagca aacattttct gtccttctcc ttgtagaagt aaccacaaaca 360
50 cttgcaatca cgatcgact tagccttgca atcggtcaca gaagt 405

<210> 692
<211> 405
<212> DNA
55 <213> Arabidopsis thaliana

<400> 692
tcgagcggcc gcccgggcag gtcatacttt tatgaatttg gatgcaagat agagccactg 60
gtcacagata gaacactggg aatcttgcta tcgactgcgt ttaagatcag atacaaagag 120
60 gcactgacaa aagtatacac agcagctcac ataacagctt ccaagtactt gtcgttttta 180

5 acaaaagaag aaacaaactt gtatgaagca gctcacttgt cgatgacagc cttcaagaag 240
 tggagaacag gtggtcctag attccagaga gcttcaatac tcggaagaaa acgcaaggat 300
 tctaattaag ttccctataa ctctttctta tcataattat ccaatagggg gattgtagca 360
 tataacaatc tcaaaatgat gtaactgggt aacatacatt tgatt 405

10 <210> 693
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 693
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 agctgtatatt ggagctaagg actacgcaga agctataaaa ggaattaagg ccagcaaacg 120
 accagcagct gtagctgtgt aatgtgaagc aacagcaagc gaaaagactc tgttaaactt 180
 aggaacagtt aaaaagtga tgcagatcac cagaagtccc agatgtgtgc gttgtgtctc 240
 20 cattcgccat aacattcaca agaatcaaac tcaatatctt caaagtaggc tcctctatac 300
 tattctgtac cattgtcttg taaattgagg atatgcagat tccatacatt ttgcaatgaa 360
 acactgtgat aagaaatatg ttgttacata tgtgtttttg actta 405

25 <210> 694
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 694
 aaattgtacc agagaatccc aatagctaca gagcaagaaa gagagaaaac ttcagattgc 60
 aaagggagaa gaagaaggcg agacgcgaga attactcgta cacacttcct acaccagaac 120
 ttgttcttgc atctgcctca gtcgatgatg ctgaagccaa tccggagtgc tataagattg 180
 aatgtggagt ttcttctgtc ctttttgttt agtcttgttt atgaaaaatg atcctttcag 240
 agtattaaga gttgggttga ttgtcgaatc caagcctctc ttttgtcaaa ttgagtccea 300
 35 agcaggcgga tttttaccca acttgagtta ttagtgtaat caaatgggta ttgttaatta 360
 gtcaaagcct caaagggttt aatttaaaaa aaaaaaaaaa aaaaa 405

40 <210> 695
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)... (405)
 <223> n = A,T,C or G

50 <400> 695
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 tcggttgccc accattccgt gctttaactt ttgactctct cgacttaata aaagtgactg 120
 aagctcgtgg tcaagagaga gggattccga ctgtagtgaa cacatgggga gagatgaatg 180
 catctagaag tggtcttgct gcttccattg atgaccgggt aaggaatccg cttttggctg 240
 ttgcaagaaa agatggcaat gttgaggtta ttaacccttg taatggtgat cttcacttct 300
 catactctgt atttggtgat gatggtgtt cccctganna tnncgaaatt tctgccctgc 360
 55 acttattcag gaaaaagata gatgatcaga cagaaagatc ttgca 405

60 <210> 696
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

5 <400> 696
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ggtgggaagc attgaggcaa agagtctgca atcaaacggg tctgttcac atattggtct 120
taatttggag gagaaacttg atgaatttcg tcgtcttttg gggaaatcag aaaaagatcc 180
10 gttaaggatt gtaagtgttg gtgctggtgc ttggggaagt gtttttgag cacttcttca 240
agaaagctat ggaggtttca gggataagtt tcagatcagg atatggagaa gagctgggag 300
agctgttgat agagaaactg cagaacattt gtttgaagt atcaattcaa gggaagatat 360
cttgaggaga ttgataagac gctgtgctta tctgaaatat gtcga 405

15 <210> 697
<211> 405
<212> DNA
<213> Arabidopsis thaliana

20 <400> 697
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gaatcataaa cacttacgca gaaacaaaaa cttaaactttg gatcttttaa ccgaccatag 120
agattcgtgg gttcttctta gtttcgacag attcttgatc cgttttagtt gttacgctca 180
tctttgcttt tatacatcag acccttctct tctcttcctt ctttatctaa gaaacattag 240
25 ggttcattga aatcttgcta taaaaaaatg ggtgttgaga aaatgggtgtg tttggcttct 300
cgcacgggtc gtcagtttca gagatacaac aaaggctcgt gtcaagtcgt tggatgtgtt 360
ccttacagat ttaagctatc taatgatggt aaaataagt atgaa 405

<210> 698
30 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 698
35 ttcaccggac ttcgtcaatc atcaacggag caaacaaact tcgtctctca tgtaccgtca 60
tcactttctc tccctcaacg acggacctct ctccgagtaa ccgcagccag agccactccc 120
aaactctcca accgtaaaact ccgtgtcgcc gtcacgcgtg gtggaccagc aggcggggca 180
gctgcagaga ctctagcaca aggaggaatc gagacgattc tcatcgagcg taagatggac 240
aattgcaagc cttgcgggtg cgcgattcct ctctgtatgg tcggagaatt caacttgccg 300
40 ttggatatta ttgatcggag agtgacgaag atgaagatga tttcgccgtc gaacattgct 360
gttgatattg gtcgtacgct taaggagcat gagtatatag gtatg 405

<210> 699
<211> 405
45 <212> DNA
<213> Arabidopsis thaliana

<400> 699
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50 tgcttaaaaa tatgatgaga gatgcttttg atgccacttc tcctctggtc ttctcatctg 120
ttatatattg ttgtggtcta tagatttcac atttattttt cgtaacatat tttgattttc 180
ataaataagg tggaactcaa gagagatgtt gctgtaattt tatttggccg gagtctttta 240
gattccggcg agtttcagac acttgtggaa gacagaaggg ttatacagtt gttaaagcct 300
ttttgtcatt ttgtgacatg gttgatttat ttatatcatc actctgtttc gtttttgtct 360
55 gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaag 405

<210> 700
<211> 405
<212> DNA
60 <213> Arabidopsis thaliana

5
 <400> 700
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 ttcagtatgc atcgggtggct ccgaccaccg caagatcgta tgcgaaaccc tcgccgacga 120
 ctcaacgata ccaccttatt acaacaactc cgccgttagt ccgagtgatt tcccaccgga 180
 10 atcttatttc ttgtcaaacy atgctcagct agagtggctc agcgacaacg ccttctttga 240
 tcgtaaagac tcacaaaaag gaaactctgg gattctcaat tctaattcca actcgaatcc 300
 aagctcgcaa cggttcttac taaaatccaa agcgtcgatc atcggtttgc ctaaaccgca 360
 gaaaacgtgt ttcaacgagg caaagcaacg gagacacgag ggcaa 405

15
 <210> 701
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

20
 <400> 701
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 atgttgatat acatgtgata gaagataatg cgattattga cacacaacga acaaaacaaac 120
 aaatcttagt aacgtttctca gcccaattaa caaagctgga aaatctcttg tttcttcttg 180
 ttcttggcca aaacagagag ggagagagag ggtgacaaaag aatgaagttg tttcaatttg 240
 25 ttcatctgaa caaggattga agttcttcaa gaggtttggc tttggtctca ggaaccata 300
 gagtcacgaa caccactgtg aatgcacaaa ccaatccata cagagtgaag gttcctccac 360
 tgctccaggc taacagcaaa tttgctgtca tgggtgatcaa ccaag 405

<210> 702
 30 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<400> 702
 35 attttcagca aacgaaaggg aagtgtgtca gaaatctcag agggtgagaa tcccaatgag 60
 gatcttaccg gaacctcgag gttcgggtcc gtgtcttctc cttcttgtgt cggttctctt 120
 atcagcgact ctctcactcg ctctgtgtcg cgaagttgtc ggttacgccg agagcaagat 180
 caaaaccccc catgcatttt caggacttctg agtgacgatc gactgtaagg tgaataaagg 240
 ccattttgtt acaaaagggt cgggaaacat tgacgacaaa ggaaagtttg gtcttaatat 300
 40 tcctcatgac attgtctccg acaacggagc gttaaaggag gagtgttacg ctcagcttca 360
 cagcgcggcg ggaacacctt gtccgggtca cgacggcctt gagtc 405

<210> 703
 <211> 405
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 703
 50 tgtcactccc atctttcata ttccttcaca atctctctct ctgtctctcg atcttgtgaa 60
 ccaccacaca cactaacaca atgagagaga tccttcacat tcaagggtgg caatgcggta 120
 accagattgg ttccaagttc tgggaagtca tctgcgacga gcacggcatc gattccaccg 180
 gacgttacag tggagacact gcagatctcc agcttgaacg tatcaatgtc tattacaatg 240
 aagcttcagg tggaaagata gttcctctgt ctgttcttat ggatcttgag cctgggtacta 300
 tggatagtat cagatccgga ccgtttggct agatcttccg tcctgataac tttgtctttg 360
 55 gtcagtctgg tgctggtaat aattgggcta aaggtcatta cactg 405

<210> 704
 <211> 405
 <212> DNA
 60 <213> Arabidopsis thaliana

5

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

10

<400> 704
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 gtctttttctc atataaccgca caagtagatt ccaatatcta accaaccatcc agtcacaaatt 120
 ttgagtacga caaatcaaca aagccccaca taaacaatga cagaaccaa gaaaaaagca 180
 15 tcttaatgta taacgacagt aatggtacaa gtattattag ctagtacagt gaacaacaaa 240
 tcaacacaat aatggtgaac tagttcggtg catcagnnnc atnnnagtag cgtataatat 300
 actaaagtgt gttttgttac cgggcctaag gtgtatggtc ttgtatggaa agtcctgttt 360
 tcttgatgga tatagtccag agaagatccg aatccgattc gactg 405

20

<210> 705
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

25

<400> 705
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 acacaattac agaatggaga aactcttggg ttctttatta catacagtag attgttttac 120
 tcgccaaaga cagccttggc accgtctacg gtgttcctga gaagcattgc cactgtcatt 180
 gggcctacac caccagggac cggagttagt aaacctgcaa cttttgaagc ttctgcgaaa 240
 30 tcaacatctc caaccaaccg gtatcctgat ttcttgctcg ggtcgtgac tgcattagtt 300
 ccaacatcaa ttactgcagc cctggcctt atccagttgc ccttaatcat gtgggcttgt 360
 ccgcatgcag caataacaat gtcagcttcc cgtatgatag cctca 405

35

<210> 706
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

40

<400> 706
 cctctagagc ggccgccctt tttttttttt ttttaaattt taacacccat gttttgattc 60
 aaaagaagag agggagatct ttgtttgttt tctctgtata atcattcagt ctggaaacaa 120
 aacatagcaa atcatgaact aagacatata gaggcctttt gtacgctcag tttagcttaa 180
 gtatcagatg gtttctctgc ggtttttctt tctttgttga tgtgaaagcc ttcaatcttc 240
 tttgaaactt catccacgct atgcttcact ctctcagagc tagtttcgtt ctcttcggga 300
 45 tttgctgggtg ttgtttgcca gattctgatt gtcccgtctt cagatcccga ggcataggat 360
 aaaccagtgg gagtaaactt aacgcagtgt actggaccgt gatgt 405

50

<210> 707
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

55

<400> 707
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 ccatactgtg acagattggg atagtgccta tgtttcgtct agagtcaccg gtttgccata 120
 tcgacctcac gttgttttcg ttgacggaca ctgcacgacg cagctagaag aaacatggac 180
 agctttgttt tccggaatca gatacgaaa gaacttcacc aaaccggttt gtttccgcca 240
 cgcgattctt tcaccattgg gatacgaaac cgctcttttt aaaggcttgt ccggagaaat 300
 agactgcaag ggagattcag ctcaaatct gtggcaaac ccggacgata aaaggactgc 360
 60 gaggatatca gagtttggtg aaatgatcag agcagctttc ggggt 405

5

<210> 708
<211> 405
<212> DNA
<213> Arabidopsis thaliana

10

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

15

<400> 708
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ttgataaact tgatctgtct atgaatcact tgatgtttgg tattgctgga tcttcacagc 120
tttggaacg tcgtaaggaa cttgtgagat tatgggtgaa accttctcag atgcgtggac 180
20 atgtctggct tgaagagcaa gtttctcctg aggaagggtga tgattctctt cctcctataa 240
ttgtctctga agacagctct cgttttcggt acactaatcc tactnntcat ccttctggac 300
ttcgaatctc tcgtattgct atggagtctt ttctctctc tctccctaag gttcgggtgg 360
ttgttcttgg tgatgatgat actatcttca atgttcataa tcttc 405

25

<210> 709
<211> 405
<212> DNA
<213> Arabidopsis thaliana

30

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

35

<400> 709
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cccgttgagg aagttcctcc tgagcttcct gaaccagctt taggcatcaa ttctcgctaga 120
gacggaatgc aagaaaagga ctgggtatct ttggctgcag ttcacagtga ttcattggctg 180
ctttctgttg cattttactt tgggtgcacgt ttcggtattg gcaagaatga gaggaagagg 240
40 ctnnnccaga tgattaatga gctgccaacc attttcgaag ttgtgagcgg caatgcaaa 300
cagtcgaagg atctatctgt taacaacaat aatagcaaaa gcaaacctag tggcgtcaag 360
tctcgccaat ccgaatctct ctcaaagggt gcaaagatgt catct 405

45

<210> 710
<211> 405
<212> DNA
<213> Arabidopsis thaliana

50

<220>
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<222> (1)...(405)
<223> n = A,T,C or G

55

<400> 710
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attgggaaag gcggagtcag ttcaaagcan ntatgtcgtc agacgggagt aaaattatca 120
attcaagatc acgagagaga cccaaacttg aagaacattg tgcttgaagg aacacttgag 180
cagataagcg aagcgagtgc aatggtaaaa gatttgattg ggaggcttaa ttcagcagct 240
aagaaaccac ctggtggtgg tcttggtggt ggtggtggca tgggttctga agggaaacca 300

5 catccagggg gcaacttcaa gactaagata tgtgagagat tctcaaaagg aaactgtaca 360
 tttggtgata gatgtcactt tgctcatggg gaagcagagc tacgc 405

<210> 711
 <211> 405
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 15 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 711
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 tgacgaagaa gaaggcgact atgatttcct tcttcgcgct aagcagatga ttagtccgga 120
 caaaaacggt gtaaagaagg tgattgagta caaattcaac gaagaggaca aaaagggtcaa 180
 aatcactacc acgacccgtg ttcagaagcg agctctcacc aaacaagccg nggagcgacg 240
 gagctggaat aagttcggag acgcagctca tgaagaatcc agtagttacc tcacaatgcg 300
 ttcaacagag gatatcatct tggaacgaat tagagctcct ggtagcaacg cggaacagtc 360
 25 gaccgtatca ggagatagca tgtctcagtt gggcaaaccg ggtgc 405

<210> 712
 <211> 405
 <212> DNA
 30 <213> Arabidopsis thaliana

<400> 712
 caagcgagct agtgaagcta acgataagaa cgataatacc atcatcggtt ccgatttagc 60
 atcatctaag aaacgccgta tcgatttcac tgaatcttcg tctgataagt cttcttcgat 120
 35 tttagcttct ggtagtagca ggggttttca cggcgatagc gtcggttcagc aaatcgacat 180
 ggcttttggg aattcgaacc gtcaggagat tgatgaagat ctgcacagtc gccagctcgc 240
 cgtctatggt cgtgagacta tgaggcgtct ctttgcttcc aatgtttctca tctcggggat 300
 gcacggtcct ggtgccgaga ttgccaaaga tcttataact gctggtgtga agtctgtgac 360
 cttgcatgat gaaagagttg tagagctatg ggacttatca agcaa 405

<210> 713
 <211> 405
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 713
 catgttcggt gaagagagag agagagaatc agaagtgtat cttgatctag gggtcacaga 60
 caaaatctcc atgctttgaa ctaagcagaa ttcacatcgt cttttatctc tttcataatca 120
 aaccaaagga ttgatctatc catatcgtcc aaaacctata tctagctaag cctagaactt 180
 50 ctctatcggt taccactttc tttctatatt tcttctgaat ttgtaacatc agaagtaata 240
 atgattccaa gtatggaggg aggcgggaag actaacagag aagaagagga ggaggaagag 300
 gaagaagaag aagaaggtga agagagtaag gtttcaagca atagtacagt ggaagagagc 360
 gacaagaaga ctaagggttag gccttatgtg agatctaaag tccct 405

<210> 714
 <211> 405
 <212> DNA
 55 <213> Arabidopsis thaliana

60 <400> 714

5	cctttattaa	agaccatcat	gtcttccact	tctttcaccg	accttcttgg	ttcttccggc	60
	ggtgactggt	acgaagatga	tgaagacttg	agagtttctg	ggtcgagttt	tggtgggtac	120
	tatccagaga	gaaccgggtc	tggtttacct	aagttcaaga	cggctcaacc	accacctctt	180
	cggatttcac	aatcttctca	taacttccact	ttctccgatt	accttgattc	tcctctgctt	240
	ctcagctcct	cacacagttt	gatatctcca	acaacaggaa	cgtttccatt	gcaaggcttt	300
10	aatggaacaa	caaacaatca	ctcagatttt	ccctggcagc	tacaatctca	accatcaaac	360
	gcttcttctg	ctttgcaaga	aacatatggt	gttcaagatc	acgag		405

<210> 715

<211> 405

15 <212> DNA

<213> Arabidopsis thaliana

<400> 715

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20	cttcgtatt	gacccatt	gggagctg	agctgacgct	ctgggttaata	gaggggaatac	ttacaaagag		120
	atcgggagg	ggttaact	gaagcaatt	caggat	tacatgcatg	ctataaaactt	ccggcctaca		180
	atggctgaag	ctcacgcaaa	cctggcctca	gcttacaagg	atagtgaggca	tgtagaagct			240
	gccattactga	gctataagca	ggccttgctt	ctacgaccag	acttcccaga	agcaacgtgt			300
	aaccttctac	acaccttaca	gtgtgtatgc	tggtgggagg	accgtagcaa	aatgttcgct			360
25	gaagttgaaa	gcattattag	gaggcaaata	aatatgtcgg	tcctt				405

<210> 716

<211> 405

<212> DNA

30 <213> Arabidopsis thaliana

<400> 716

	cactgggaac	atacttctta	tcccaaattt	ccttgatttt	cttggaatg	ttgaatgtat	60
	acagaatgta	cagtgaagctt	gtgtcaacca	acattactga	gggaggacca	tatgcttcca	120
35	agacatcttt	tgtaaaactc	ttaagatcgg	ttaagaggga	aacacttaag	ctgatagaaa	180
	cctttttaga	caaagctgaa	gaccagccac	acatagggaa	acaatttggtg	ccgccaatga	240
	tggaatcagt	acttggtgac	tatgcgagga	atgtgcctga	tgctagggaa	tcggaagtgc	300
	tttcaactctt	tgcaacgatt	ataaacaagt	acaaggcaac	aatgttagac	gacgtgcctc	360
	acatatttga	agctgtattc	cagtgtacat	tggagatgat	aacta		405

<210> 717

<211> 405

<212> DNA

<213> Arabidopsis thaliana

45

<400> 717

	tggaacaaagc	tatggagctt	tggtggggag	agatgaaaaa	gatgagtgag	aagataaaca	60
	ctagaaatcc	attgatgcaa	aggaagaatt	caacatctgt	tggtgtccaaa	caacaacaag	120
	gatcagaaga	agaaagagga	cttattaacc	aaaagattag	agagaaaaat	gaagctgtaa	180
50	ctatgtctga	gctcactgtt	tgtcttctca	tggaccgttt	tggtccttgg	tgatctttcc	240
	atacccaact	acttctagat	ctcttctttg	gtgatgtgta	tatatatatc	tagaaactac	300
	atgtagtatg	tctatatatc	agattttggt	tgtgcagacc	atgtttttta	gtttccttgt	360
	aaacctgtga	aagtaatgtg	tttggaacaa	tattttttatt	acttt		405

55 <210> 718

<211> 404

<212> DNA

<213> Arabidopsis thaliana

60 <400> 718

5	tatcaagttt	gcaacaacat	ttattcacca	ccacacataa	gagcacattt	aaggtgaaaa	60
	gactcggggc	aacaaaggat	ttattaaaac	accaaacata	ttttagcaaa	ataggtaaga	120
	gagaaaagca	aatcaagcag	cagcaacaac	tgtcttgtgc	ttctcgagat	tggcaatgat	180
	ttcttctttc	gcagcaccaa	ccacagtctc	cttgatctct	ccttctttca	tgaagataaa	240
	cgttggcatt	gcctgaactt	taaactcctc	agcaacagt	ttcaattcgt	caacatcgac	300
10	cttgaagaag	actacgtcga	ggtgcttctt	ggctaagtca	gcaaagacgg	gtgcaatgaa	360
	acggcaaggt	gggcaccatg	ttgcagtga	gtctatcaca	atca		404

<210> 719

<211> 404

15 <212> DNA

<213> Arabidopsis thaliana

<400> 719

	gagcggccgc	ccgggcaggt	actcgtatag	atcaaacgag	atcgtcttca	agataatcat	60
20	acacggagat	actaagtttg	tcctcctcct	ccatattcgc	catggaagat	ctctcttcac	120
	aatcaccact	cccagacaca	gcaccatgga	atccggcgctc	cacggccatg	ccggcgctcg	180
	aagcagcttt	ttggatggac	ttaggagata	tattggaggc	gagggagggt	gtaagtaagt	240
	gaggggaagtt	aaaagattcg	tcgtcgaggg	aagatggctg	gtgcaagcag	taaaaagcga	300
	cgctcgtgggc	tacggcagcg	ccttctgcgg	tggagaaaaga	gcctaaccag	agacgttgac	360
25	gagttcccgg	gacacgaatc	tctgataccc	attttcccca	tttc		404

<210> 720

<211> 404

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(404)

35 <223> n = A,T,C or G

<400> 720

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	cgggtngatt	tgatccatta	gccggaggag	aagagtcctg	ttttgtcggc	ttgagtatga	120
40	cgaatctaca	gacaggacat	tgctctttgg	tctttaacca	tggaactata	cattcctcgt	180
	gaaacatgtg	tttgcaagga	gtgagcatca	ctgtttcctt	gggctcgaag	tcttctaatac	240
	acacggagca	tctttttgtc	tcttcttcac	ctgagagatt	ttgagtgttt	cttgannnnn	300
	cgcttcccgg	gtttttgttt	ctgtagtata	agctcaggct	tctgagaagg	gtgctttttg	360
45	gaactggggt	atatgtttct	tttgtagat	gtttgaggat	ctcg		404

<210> 721

<211> 404

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(404)

55 <223> n = A,T,C or G

<400> 721

	gagggttctg	gaattacttt	agcctcggaa	tggatgctca	gatttcttat	gcgtttcatt	60
	ctgagaggaa	gcttcaccct	gaaaagttta	agaatcagct	ggttaatcag	agtacgtatg	120
	taaagcttgg	ttgcacgcaa	ggatggtttt	gtgcctctct	tttccaccct	gcttcacgga	180
60	atatagctca	gcttgccaag	gttaagattg	caactagaaa	tggccagtgg	caggacctcc	240

5 acataccaca tagcatcagg tccattgtat gtctgaatct gccagcttt tcgggaggat 300
taaattccttg gggcacacca aatcccaggn nacaacgtga tagaggcttg actccaccat 360
ttgtagatga tggcctcatt gaggttggtg ggtttagaaa tgct 404

<210> 722
10 <211> 404
<212> DNA
<213> Arabidopsis thaliana

<220>
15 <221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 722
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aagaccacca tcttntcctc ctgacccttc aggacgtcc tcaccatttc caccaccgcc 120
accactgcct cctccacgtg gaggcattgt gccgccactg tcagtatcat aaaagtcttt 180
cttctgtatc tgctctcgca acatatcttc aaccgatttc tccccatag ctttctctat 240
tgctttccat ggcgatatct catcactacc atcaggttta tctttccac caaataagca 300
25 cacagcagaa ctttgtttcg atttcccagt aggtaaacga cggcgatgat caagaagagg 360
cgaaaactga gtagacactg cagacctgcc cgggcggccg ctgc 404

<210> 723
<211> 404
30 <212> DNA
<213> Arabidopsis thaliana

<400> 723
35 cttttttttt tttttttttt tttttttttt tttttttttt tttttattat tgtaacttc 60
tttttattaa gaactctcct ttattaattg ggacaaagca aacttgcaca tgaaaaaat 120
cagaaggaaa caagacgtaa ttaaaatttt acaaacatag atatatgact attgattgca 180
tgcatgaacc attgattgat caacacacac aagtttcaaa tttattacaa taaaacgcaa 240
acaatacttt gaaaatgatg agaaagcttt ctctgcttgg attctctctt tcactctttg 300
tttctcttat tacaatcacc agtactggtt tcgtcttgct tttgtcttct tgtgtacatc 360
40 gtgttctccg tgatagagat atctaatagt ggtcggacgc gtgg 404

<210> 724
<211> 404
<212> DNA
45 <213> Arabidopsis thaliana

<400> 724
50 cttttttttt tttttttttt ttttaggttt aactttttat taatggggat aattttgggt 60
tcgaacaaga gagcaaaaaa gataaaaactg taaaactgct aaagaaaaaa gaagattctg 120
ttggatatgg tgaagaagag aaacgctcct actcaaattc cgaaacaaaa ctcatgagat 180
ttctacagct cgtcctttgc ggccgtttcc tcgggtcttct taggttcctc actcttggtg 240
gactcttctc catgagaagt tggcttcttc tcactgttct tctcaacgaa gtttatgaag 300
tcttcctttg tcctgtctcc ttcgtacact acaacatttc cgctcgctga cctgaagtaa 360
atggtcggga atcctttcac atcgaaggta tcacttggga tctc 404

<210> 725
55 <211> 404
<212> DNA
<213> Arabidopsis thaliana

60

5 <220>
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 <222> (1)...(404)
 <223> n = A,T,C or G

10 <400> 725
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 gcgttccagt cttgttgatc acatgctgga tcaaattgct attgtaagt tttgcattct 120
 ctaccgttgc gtcgtgctca gaagggcctc ctttagatgg ccatccagat tctgtgacca 180
 cgattggaat gttgggtgaag ttaagataag acattgcaaa ataagcagcg tctangattg 240
 15 catcaaaaac gtttgtgtaa tgtaacaatg tgttggcgctc tacagcttct ttgnnggctt 300
 nnagaggctg gaaaagcgcg tagtcaagcg gtataactcc attggactga acatagtcga 360
 aatacgggta aacgttgagc agcaatggcg atcctgtgga ctgt 404

<210> 726
 20 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<400> 726
 25 gtacaatgac tccttcttaa tctcagatct gaggcaggac cgatcaaaaag gaggattcgc 60
 atatggtcca ttgagtattc catcagctat ccatttgat gcagcctcag tcatatgtgg 120
 agtctggaac cttctcaact ttcataaggt taaccaaggg atctacttta cttggcagaa 180
 ccagggtggag aacatagcta tcattacgga gagcaactct cgttgatgga gtgagtttgc 240
 ttatgtctat acttttgtca atatcgacaa catacttccc ctctggatga accttaacca 300
 30 agacctgtt ttttcccatc acttttacca cttcaccac ataggaccca ggttcttgaa 360
 ggagctgtaa ctcttctctg agcattccta cctcgccgc gacc 404

<210> 727
 <211> 404
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 727
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 45 ctcgatcata catccgctga aattcctctc tgtattcagt cagagacttg tcagggtatgg 120
 ctggagtcag ctccaccaca tctcccatct tcagcttgca tttcagatca cttacagggtg 180
 tctggttaag tcttggcctt agctcttctt ttgccgggat gctgtacatt gaccatctcg 240
 agctccctgg tctgtctctg cgtaacaggt ccgacacggt agaattctcg ggaaactctt 300
 gcacagtcat cttctcattt tcgnnnacaa tcacatagac tggtnnttct tggttaccac 360
 50 taggcttata tgaaaacgga cagtcttctg cgtgagacgg gaaa 404

<210> 728
 <211> 404
 <212> DNA
 55 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(404)
 60 <223> n = A,T,C or G

5

<400> 728

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atcaataatg	ctattaggaa	cgtaaagaaa	gacctccttg	gccagcctct	tcagttgctc	120
tcaggtgttg	atattcttgg	caatgcaagc	agcgcgcttg	gacatatgag	tcaaggcata	180
10 gctgcattat	caatggatan	nnaattcatc	caaagtcgac	agagacagga	aaacaaaggt	240
gttgaggact	ttggcgatat	tatcagagaa	ggaggtggag	ctctagcgnn	nggcctgttt	300
agaggagtca	caggcatatt	gacaaagcct	ctcgaagggt	caaagtcttc	tggtgtcgaa	360
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15

<210> 729

<211> 404

<212> DNA

<213> Arabidopsis thaliana

20

<400> 729

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acagaaaacg	ttacattttc	ttattttttg	aagctgggaa	ataccattgt	aatcaggcac	180
ctttttgtgt	gtatatacct	ctttaacacc	gtcaaaaatac	tcttcttggg	ttgggtccat	240
25 agaaattttac	ttgtgttcgg	aagctgcaag	gagcctcggc	tttgttaacc	aatactgctc	300
gaacctttgt	cttgcatact	ccatgtagtc	aaagtcgatt	tcattcacat	gttccgatat	360
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<210> 730

30 <211> 404

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

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<223> n = A,T,C or G

<400> 730

40 gcggccgctg	gacttcttgc	acatgcaaag	actagacatg	gaaacaggag	caaaaacccc	60
tcttgcattg	attgacaatg	caggaaaagt	ctttttccct	gnmntttatg	agagtgatga	120
aaggaccaat	tactgccatc	ataaatgtgt	ggaagaccca	aaacagaatg	ctcctcatga	180
tatcaaactt	cgcctagaga	ttgatgttaa	tggtggcgag	acaccgaggt	taaatttgga	240
ggagtgcagt	gatgagtctg	gtgataatat	gatggacgat	gttccccttg	ctcaacgatc	300
45 ttcaaatgag	cactatgacg	aggctacgga	ggatagctgc	agccgcaagc	togaagctgc	360
tgtttcgaaa	tgggatgaga	ctgatgctat	agtcgtctct	ggtg		404

<210> 731

<211> 404

50 <212> DNA

<213> Arabidopsis thaliana

<400> 731

55 gcggccgctt	agaaatcaca	caacatacaa	agacattttt	gtttttttca	aatacaagtg	60
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tgaacaaaca	acaaagaggt	aaagaaaaaa	cctccaaaac	tacttgacga	ttaatcacac	180
agtcgttaaa	caaaactcga	accatccaca	ggtatgaatc	cggtttggtc	ttctttcatc	240
gccttctagg	tggtgagcat	tgaggttggt	gattccatga	ataagaacat	tttcgcagtc	300
acgatcgcac	taacatatta	aacaccgggg	aaaacaacct	ctacgcgtct	ctcatgctaa	360
60 tgtttagact	atttctcatc	gtccttcttc	caacaccagc	attd		404

5
 <210> 732
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

15
 <400> 732
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 tctgnangca atcacttggc ttgtgcccc gcatcaatga agaggttggg agcattgagc 180
 20 agtcgattgg cagtcacatc taagatgaag ctagcaatct cctctggctg accggcagtc 240
 tcagccaatg tcacctgctt ggcaaatgca tcagcagcgt caaacagacc aggatcgata 300
 ttacgtagac catcagtttg aactggccct ggggttgactg tcagcactcg tacattctgc 360
 tgtgccgctt cgggagctac actacgagta tagttgtcta cgaa 404

25
 <210> 733
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

30
 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

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 aaatacaatc ctctaggagc atattcattt gatcaaatac ttacggctac ataaaacttg 180
 gacaaaactt attttgtttc agtagtagat ggtaacaaag ggcttcctta aaaagctcaa 240
 40 catttgactt ccaatcactc acatagacca cacttcctta agaagctcat atcttgaaat 300
 tgtcacccct ggccctattt tctcagcttc ctgcttcaca ttcttgccct gtgcggaaat 360
 tggtgacagc gatacgtttt caatgatgga tgtaagagga gaat 404

<210> 734
 45 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<400> 734
 50 tttttttgaa aaatcgcccta aaattatgat caaaatagac taaaagaaat acaatgatat 60
 ggccactggc cagttctctt tctcacctcc taaaggagcc aagtacaaat tgaattaagg 120
 gtagtaaaaa aagaaagtta acaacaaaaa aaatgaattc aagcaatcct acaaaatggc 180
 caagttctag tgaaaactaa atttggtaaa aattaacaag tcacactgag gatgtatcga 240
 tgagaacatc gtttagcaca tcatcttcgc cattcgccat agcgagcagc tccgcattctc 300
 55 tctcttcttc gttggagaag tctctctctt cgaatttcga gttagcggat ataaagatca 360
 gcttttgagc tcgatccacg gctgcgcgtg atcttccatt cgaa 404

<210> 735
 <211> 404
 60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 735

gccctttttt	ttttttttta	atcaaaaaat	cttgaagatg	tatcataata	atcttattct	60
aaaactttatc	attattcttg	caaacgcgta	taagagcagc	aaattcattc	aaaggaggaa	120
10 catagactcc	ttagaatacc	tgaacacaat	aggtttactg	atgaatatga	aacaattatt	180
ctgaaagtct	agagaacaag	cttatttcctt	cttcaagggtg	tcttcaactt	ggggcgcgat	240
ggaagcaact	gataacaaga	gataagttag	gtggtaaacc	cgaaagcacc	agtgcacga	300
ggactaatcg	tctttggagc	taactgaagg	agaccaatgg	ctacaataat	gtccatgctt	360
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20 <220>
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25 <400> 736

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ttgagattgc	tcgatcaagc	tttgccggcaa	cagaaatcgt	atcgccaaat	gactcttggt	180
30 gacgctcatc	cttggcgncc	acaacgcggc	ttgectgaac	gcgcagtcac	aacgttgaga	240
gctnggctct	ttgaacactt	tcttcacca	tatccgagcg	atgttgataa	gcataatattg	300
ncccgacaaa	ctgggtttatc	aagaagtcag	gtatcaaatt	ggttcattaa	tgcaagagtt	360
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35 <210> 737
<211> 404
<212> DNA
<213> Arabidopsis thaliana

40 <400> 737

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tctgggcagc	ttggaccgtt	tactgcatgg	gagatcagat	gggcctcctc	ttgattggaa	180
cactagaatg	aagattgcac	tatgcgcagc	tcagggtcta	accttcttgc	acgaagaagg	240
45 cccttttcag	gcaatgtaca	atgaattttc	gacggcaaat	atccaagtcg	ataaagattt	300
cagcgccaag	ctatcaggat	acggttggtg	aggccatgcg	cctgagacag	agacatctaa	360
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<210> 738
50 <211> 404
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<213> Arabidopsis thaliana

<400> 738

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gtgatgggtc	tcatcaacaa	gcgtctccgt	gctctccgta	agaaatacaa	tcgaatcact	180
caaatggaag	aatcgatttc	tcaaggcaaa	accctaaaca	aggagcaaga	agaagtcttc	240
cgctctaaac	ctgccgtcgt	catacctaate	gacgagcttg	aaaagatccg	tgctcctctc	300

5 tccgccgctg tgacagagga aatcagcctc gctactcagc ttaaccgtgc ttcacccgat 360
 caaaccaccg catctgagca aaaggaagtc actgatatcc cgca 404

<210> 739
 <211> 404
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 739
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 aatacagaag gagatgggag tgttggaagt gatcttgaag gaatccgtaa gccaaagaag 180
 atgaagaaga tgagaagcag gaagagtgat gataaagaga cgaagaagaa gaagaaaaag 240
 tattggatgg gttgtctcag agctgaatca gacgaaagtg gaaacgtcga tttgactgtt 300
 gatttccttg gcgaacgcac tgagccgact cacctagtgc tcatgggtcaa cgggtctcatc 360
 20 ggcagtgttc agaattggag attcgccgct aagcagatgc ttaa 404

<210> 740
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 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 740
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 atggataaaa cggatcattt cttgccactc ttcttaagtc cagaacctcc aaaggatccc 180
 ttctgcgatg ccttggtctc aagctcttta agggcctttt cctcatcttt cttcttctga 240
 atgttagcta agtcagtctc gtcgtattcc ttcttatcag ctttaggctg cttcaaaggt 300
 ttgcgcctttc ctccctgctt ggaagacatg attggttcgt tgagctaggg ttcgatgttg 360
 agctcaaaaat tggggaaaaa gtagctgaga gtcggacgag tgg 403

35 <210> 741
 <211> 403
 <212> DNA
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40 <400> 741
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 aacagaaaaac tttgagagta aaggcacata ataagacaaa gaagaggtaa aataaagtct 180
 45 agcaagcctt acagcttcgc ctgcaatagc caggaagctc tgtagttcca accatgtact 240
 ctggattctt tgtgcattcc ccaagaactg cccatctctc acagctctcg ttcatatccg 300
 tgcagtttcc gcttggtgtc acgatcctat caaatgagtc tacgtggatc cacttggttg 360
 ccgaccattt ctctccttct atcacaggac atccaccgtg aag 403

50 <210> 742
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55 <400> 742
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 ttgaataacc ggcatagaac ccacctccaa caacgaccag aatcccatct ttttatgttg 180
 ttcttttagac taatgatcaa gggattatat attatggctc aagctctaat ctcttcttct 240
 60 tcttctttct tctttcttct gcagttatct gcagagaatt aataagcaga agaagcagaa 300

5 tgattaaaca ataatttgtg gaattgagac atgccagagt tttgagtatt ttgagaccgc 360
 tatcattgga gtagtagcac gaacttgtac ctgcggccgcg acc 403

<210> 743
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 10 <212> DNA
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<400> 743
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 ggttttggag actatggctg gtggaacga agtcaacctt aacgaatgca agagaattgt 180
 cccactcaac acatgggtcc tcatctccaa tttcaagctt gcttacaaag tctccgctg 240
 ccctgacggt tctttcaacc gcgacctcgc tgagttcctt gaccgtaaag ttcccgccaa 300
 cgctttcccc ctgcacggcg ttttctcctt cgaccacgtc gactcaacaa ctaaccttct 360
 20 caccagaatc taccaacctg cgtctctcct tcacagacc cgt 403

<210> 744
 <211> 403
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 744
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 tcaatgcaga gaaccatctc acttgcggtt gctaaagtctt cttcttcgac ttcagttctg 180
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 tcttctctt cagtagttcg ggtcgataga gtgtatagaa atgtatccca gcttcagttt 300
 aaaagagaaa attcaagttg tcttaagtta gcttgtgcac ttcttcgca tctaagtctt 360
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<210> 745
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 <212> DNA
 35 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

40 <220>
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 ggaggaaata tggtaaaaaa gttgtcaaaag gaaatactaa tccaaggagc tactacaagt 180
 50 gcacattcca aggttgtgga gtgaagaagc aagtggaaaag atccgcagca nnngagagag 240
 cagttctcac tacctatgaa ggaagacaca atcacgatat cccaaccgcg ctacgtcgct 300
 cgtgaaatta ttgggactta gtcactagta atatgattta ggctttctaa aaacaaaaaa 360
 tcttactatg gcttatcttt tgtgctcatt cacagtttgt tta 403

<210> 746
 <211> 403
 <212> DNA
 55 <213> Arabidopsis thaliana

60 <400> 746

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 atgttaaatt tcatgttcat cagaagatca taattagtag taagtaggtt cagacgtgta 180
 gaagaaagga ccagcccagt aaagcttgaa gctcttgtct tgaagaatac ggtacgtgct 240
 caatggctgt cctctaacac ctttgttcac atcggtcgga aaatcgcaat cagcgagtgg 300
 10 agatttgtaa aggtaagttt tgcatttggc cactgtcctt cctgcacgaa gctgcgaagg 360
 gaatatcgtg gcgatgaagt aacctttagc atcagttttg ctg 403

<210> 747

<211> 403

15 <212> DNA

<213> Arabidopsis thaliana

<400> 747

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 20 acaaaactatg acggagatcg atcgttcacg cgcgttcgcc aaagacgtta agcgatatcgt 120
 cgtcaagggtt gggactgcag ttgttactgg gaaaggtgga agattggctc ttggacgttt 180
 aggagctatc tgtgaacagc ttgctggagt aaactcagat ggatttgagg tcatatttggc 240
 gtcatctggt gccgttggtc ttggtcgaca aaggcttcga tacagacaat tagtcaacag 300
 cagttttgca gatttacaga agccacaaat ggaacttgat gggaaggctt gtgctggtgt 360
 25 tgggcagagc agtctcatgg cttactatga gactatgttt gac 403

<210> 748

<211> 403

<212> DNA

30 <213> Arabidopsis thaliana

<400> 748

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 35 tctgttcgtt cctgaagaaa tttgttggat caatcttccc ttttaacaaa cccaatctct 180
 tgaaattacc tttgaaatac atctcaccoc atttccttgc atcttcgaaa ctogtggttaa 240
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 tagaaacata cggagtcatg taatcgtgta acgatctcat ccacctgaca tgtttgttca 360
 40 tctcctcgac ttcattcact ttccatttca ccatgtacct cgg 403

<210> 749

<211> 403

<212> DNA

<213> Arabidopsis thaliana

45 <400> 749

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 gctcccta at gatgacactc tgctccaaca gatcaagagt gggtttgatg atggaaaaga 180
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 cgggtcccaag tgagactaac aaagcctccc ctttgttatg agattcttct tcttcttctg 300
 taggcttcca ttactcatcg gagattatct tgtttttggg tgactcctat tttggatatt 360
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55 <210> 750

<211> 403

<212> DNA

<213> Arabidopsis thaliana

60 <400> 750

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caaacctata cacaaacgca aacaaatggt cgaaacacta atcaaatttc acagtctctc 180
catcgaaaag actccaaagt tgatcaacgt caaaagccaa ggtgtccccc tttctgttg 240
tcgtcgcttc aggaaccaa atattctacct cttggctttc ctctaggaat ttctctaacc 300
10 acatattatc tccatcaatc aaattattca ctagtgggtc tttcttctta tctttgttgt 360
atatgatact attgtcacaa acattattga tgtaagtcc aag 403

<210> 751

<211> 403

15 <212> DNA

<213> Arabidopsis thaliana

<400> 751

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20 gagaagacca aaaccgagaa gagaaagcca gcagctgttc ctgccaacaa aagaaccgga 120
gccagctaca acggtccaat gccaccagcc aaagccgggc gtatcacaaa cgcatacgtc 180
tcttctcttc cggttcacag atcacctca ttgtttcttt gcttttagta taagtagttt 240
acttttatat gatcaaaatg cgaaagaata gttgctttct caaacttttc cacatgaaaa 300
aggggttccaa aagagaaccg tatttcacaaa aaaaaaaaaa aaaaaaaaaa 360
25 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 403

<210> 752

<211> 403

<212> DNA

30 <213> Arabidopsis thaliana

<400> 752

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35 gatgctctct tccctgtcca aagcaactct gaatatattc cagctgctac tctcatctac 180
ataccacaag ttttgttggt tcaatcagac cagagaaaaa ttagagaaaa aaatttacag 240
gagaaagtac tggtcctaag ttcttggcct ggtcacaccg gcctttctat atacactctt 300
tttgcaatcg tcaatctgtt tttctactac ttcaagatgc ataggagaca cgagtttttg 360
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<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

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<223> n = A,T,C or G

50

<400> 753

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agacatgctc accatgtttt tccaggctga tggaaacttg aacgaagcag ctattcctaa 180
55 tgtgacaagg gccttacagg atattgatgg agtttccaat ttaaagggtc aggtttctga 240
aggtgttgcc gtcgttgagc ttttgaagca aacaacggtt caagcaacag gagtggcgctc 300
aaacttggtg gagactatac aaggagctgg atttaagtta cagannttga atctgagttt 360
tgaagatgac gatgagggtc ttgtctagtg aaatcatcct ttt 403

60 <210> 754

5 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<400> 754
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 attagctctg aacttcattg aatttgaaga cacagtcata gagccgtcct ccgagaaact 180
 ctgctacttc aagatgcttc accattccaa tcttgagaga atcacacttg aactgagcat 240
 aaaggtttgt ctcaattcca cgacccatgc cttctacgat gactaagtcg gcatcagatg 300
 15 aaaggtaagc aagctcctgt gatactcttg agagatcgat aactggtaag tcattccccg 360
 aatttgcaat cagaagcttc gaagtatcaa cacctagcaa ttg 403

<210> 755
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 20 <212> DNA
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<220>
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 25 <222> (1)...(403)
 <223> n = A,T,C or G

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 aagaagaggt tcggttaata ctaagtctct gaaagagcca atgaggtctc ttcttctctc 180
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 tattattgct gttattatat agattattat tgctctgatt attacaatta tccgatgatg 300
 atctcattga cgttgttgac gagtagtcca tgtccttggt cgttgctcgtg gtcatagtag 360
 35 tagatgaaga agacaatcca atgctcaatg tcaattcgag ttc 403

<210> 756
 <211> 403
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 756
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 45 ctaaacaaga cccaatgtct caaagagagg tgctatagaa cttgggtggc aaagaaaggc 180
 cttcctcgga taacacgtca agactctcaa cggaagggtg tgctcgtgcc actttagcaa 240
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 taacccaata cgtcccaaac tttggctttg gagatttcgg gtcattatct ccaaacagta 360
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<210> 757
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 <212> DNA
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5 cctttttccaa ttaccaaatac ttaagtacgt atacattgag aataaccgtc tctctgggtcc 300
tcttcggtg aacatcggtg cgctaagcca gcttgaagcg ttcagcctcg agggaaaccg 360
gttcaccggt ccgatcccg gctcgatata taatttgact cgg 403

<210> 758
10 <211> 403
<212> DNA
<213> Arabidopsis thaliana

<400> 758
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ttcctaacac aaacacacct cgccgacgaa atcaaccgga gaagaaccat aaccgtttgc 180
gcagtagata acgcccgcct gtcagcatta acctctaaag gctatacact ctcaactctc 240
aaaaacattc tctccctcca cgtcctttta gattacttcg gaaccaaaaa actccaccag 300
20 atccgtgacg gctctgctct cgccgctact ctgtttcaag ccaccggagc tgctcctgga 360
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<210> 759
<211> 403
25 <212> DNA
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<220>
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30 <222> (1)...(403)
<223> n = A,T,C or G

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40 gcttgatgaa gatggagcgg aggtgtagct taagcaatgg tga 403

<210> 760
<211> 403
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45 <213> Arabidopsis thaliana

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50 gttttttggt aagtttgatg gggacagga attctaaaga aaactggaga cagtcattcgt 180
ttaggtcaac ttctgcttca tcagcatcac catcttcac ttcattgggct tctcaacaaa 240
gttatcctca gtatggtgca gaaagctata attaccctcc tccaccttct tatgcccac 300
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60 cttattctgc accgccttct caaagttatg gtagtgataa taa 403

<210> 761
<211> 402
<212> DNA
<213> Arabidopsis thaliana

5 <400> 761
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 10 cttccacaag cttcttttagc caaagcatcc tgcaaccgat tctcttcttc ttttaagagac 300
 tcttcgagtt tcttcttaat gtatcttctc caagcggctt gtatgaagca agcggcccaa 360
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<210> 762
 15 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<400> 762
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 aatcaatcaa attacaccaa tattctcgat ttgggtttct gtaaaagaat caactatata 180
 aaactcaata tagaggcacc ttcgtgttca gagaccagct gaaaccaaac catgcaatgt 240
 tacaattcca atcaatgtgt tgtcttcatt gaccactggg agaaaactgta caggcgatgg 300
 25 cgggtgattcc atcttcttca tagcttcaac tgccattgtt tccgggtcaa ttgtcctcgg 360
 cttctgtgtg cacatttctc caacactgag tttgaatatt gc 402

<210> 763
 <211> 402
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 763
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 35 gaagaagaag gagatcaagg aactcgaagt gtgtgtgtgt gtgtgtgtgt ttgccttctc 120
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 ggatatggcg gctgataata cgggttcgaa atcgagctcc gctgcggatt cttacgttgg 240
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 40 gaaaaaagat ggtccacaag ttcttccaag tgacaaagtt ta 402

<210> 764
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 45 <213> Arabidopsis thaliana

<400> 764
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 50 atgatctatg aagatccaac aaggatccaa gaagaagaag acattgttca agaagtttca 180
 acaacattct ctgatgaaga agataactca tcatcttgtt cattatcttc ttccatgtgt 240
 tctgatttta cagaggatga tgatgatgat gatgtttctt catcttcttc aaatggacct 300
 cttgaagatc tctctgacct catgtcacac ctccctatca agaggggatt atcaaagttc 360
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55 <210> 765
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60

5 <400> 765
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 tttcatcatg ggagaaccga agtagcagct cagttcagaa acctttgcc a ttcaagcga 180
 atctattctt gacttttaat actcaagtac gagcagactc aagtgcagag atgagaagcc 240
 10 gtgattctaa cgggcttaac caaggattct cttcattctc ggaggaaagt gcctttaatt 300
 ttccatcagt aaactttaac catcttaaca atggcccaaa aggggcagtt actaatggtt 360
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<220>
 20 <221> misc_feature
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 <223> n = A,T,C or G

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 tccgatcatg gaaggttctt gggaaagcaa gattattttc aggtataccc acaaaatctt 180
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 30 caattaaggt gggctgggag ctcnnnnagg agt gatgggc tactactgta atcttgaaac 360
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 35 <212> DNA
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<220>
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 40 <222> (1)...(402)
 <223> n = A,T,C or G

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 aatcttgctt tctgattcag attctgggtt ttcttcagaa ttcccagaga agttgttgga 180
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 50 accgttaact ctacaatcct tctctctgaa ttctcagatc tc 402

<210> 768
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 55 <213> Arabidopsis thaliana

<400> 768
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 60 acgatgagcc agagcgagag gtacctagga agcagctata gttacgggtga cagtaacgga 180

5 aactccgccca cgcacgaatc agagctcacg gaggaggaca tctggtcaca cgccgtcgat 240
cacagcccgg agatgctgga atctcatgga gcgaggaca cacgcgatgc tgtgggtgagg 300
aatgggcccgg tgggtgggtg tttgtcgctg gcgtttgagg acgcgtcatc ttcgccgagg 360
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10 <210> 769
<211> 402
<212> DNA
<213> Arabidopsis thaliana

15 <400> 769
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tcgaagatgg attcacctat tgtgtgtgtg cggttgattc tgctgggagg caaattccca 240
20 tgtccttttt ggaaagagta aaagaagatt ttaacaagcg atatgggtgt ggaaaggctg 300
caactgctca agcaaacagc ttgaataagg agtttggctc taaactgaaa gagcatatgc 360
agtattgcat ggatcatcct gatgagatta gcaagcttgc ta 402

<210> 770
25 <211> 402
<212> DNA
<213> Arabidopsis thaliana

<400> 770
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aattattcgg tgtcaccact cttgatgttg tcagggctag gactttctat gctggaaaat 180
cggatgtcaa tgttcagag gttaatgttc cagttgttgg tggtagctat ggcatacaga 240
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35 ccttcacaaa gcgtaccag gacggaggga cagaagtcgt ggaggcaaaa gctggaaagg 360
gttcagctac attgtcaatg gcctatgcgg gagcactctt tg 402

<210> 771
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40 <212> DNA
<213> Arabidopsis thaliana

<400> 771
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ggtcagatga gttgcataat gggttaccgt accagggttca tgatgagacc cttgttcacc 180
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ctcttgaacc acagcagtag gaggtaccag atcagactct tgaacctcag cagtacgagg 300
ttgatgatca gttagagtag catcaatacc agttgcagga ccaggctaag gaagatgtcc 360
50 aagatcattc gcaagatgac ctacaatatc agccacaaaa tc 402

<210> 772
<211> 402
<212> DNA
55 <213> Arabidopsis thaliana

<400> 772
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60 tcatgagttg catttgaggc aagctgttac cataaacctt cctccctgtt ttgacccaaa 180

5 gacgaggctt gaagttcagg ctgatgctgc atacgtcgat cttagatcgc gatgtccata 240
cttttatgaa tttggatgca agatagagcc actgggcaca gatagaacac tgggaatctt 300
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tcacataaca gcttccaagt acctgcccgg gcggccgctc ga 402

10 <210> 773
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<212> DNA
<213> Arabidopsis thaliana

15 <400> 773
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gacgaaagaa gcaaccgcga taaccacata cagccataca tgttttgatc cttttgactg 180
tttattatcc tgtggctgat tcttagagat atcaggacta gtactgccct tatcaggaga 240
20 aggtacagga gggactaaag gtggctcttc cttctttgca ttggttactg cagggaaaga 300
cccgtgctt cgaggtgaag cttcagttat aatcccggga gaaggactag gagcggaagg 360
agcaggctca gccgctaaat tacctgcccc ggccggccgct cg 402

<210> 774
25 <211> 402
<212> DNA
<213> Arabidopsis thaliana

<400> 774
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aacgttctcc tccactagga aaaataacca caatgagttt ccctacgttt tcaggccgct 180
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35 cgtcaacaat gcttaagtcc aaattggctg gaatttcacc agagcctatt ccttgatca 360
aatgtggacc tggttttcct ccgctgagta cctcgccgcg ga 402

<210> 775
40 <211> 402
<212> DNA
<213> Arabidopsis thaliana

<400> 775
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taatcattaa cttgaacaag tgaaattcaa gaagatgatt ccttgaactc ctgcaactgt 180
ttgaagtcca tccatggctt caccacact ttggcttcaa aattcttagt ctgatcacct 240
tcttttgctt ctagggttaa gtggtacatc gttcctgcaa ctacctgctc ccttgctttg 300
acaatcttct tgaactcaag aattttgttc tgtgtttgt tatgttcttg aatggcaaat 360
50 cgagcgagac tctcgatctc tccactgttc tcggacgcgt gg 402

<210> 776
<211> 402
<212> DNA
55 <213> Arabidopsis thaliana

<400> 776
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60 ttgcgcagcac ataatgctca ggaggaccaa ggttctccaa tactcaactt gattgggaat 180

5 cttgcattcc ctgttatttt gattggcggg ttgttccttc tctcgagaag atcctctggg 240
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tttcagatgg aaccaaacac tgggtgtaact tttgatgatg ttgctggagt cgatgaagcc 360
aagcaagatt tcatggaagt ggtggagttt ctgaagaagc ct 402

10 <210> 777
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<212> DNA
<213> Arabidopsis thaliana

15 <400> 777
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gttcataaca tgaaatttgg gacgaatgca taataatgaa cagtcaaaca tagaataaag 180
caataatcag agttgttcaa ttcaaaaaaa gaaagaaaga aaaagagaga aaagatatga 240
20 gaatagtttc ctcaacttgc catcataact ttgacaaact cttcataatt gatctgacca 300
tctccatcaa catcagcttc tttgatcatc tcatcaactt cttcatcagt taactttctca 360
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<210> 778
25 <211> 402
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gtccttcata agttgccatg tcttataact tgcgttgcta ctccatgtgg agccgttcaa 180
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35 gcgcttgagt cattttctgag atatcttggt tctggggatc aggttgtatt ggaaggacaa 360
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<210> 779
40 <211> 402
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<400> 779
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aacgacccaa tgcataaata taatcaagca gcagcgagtt gcttcttggt gtggtgagta 180
gataaagagt ctctctcggt tggatacatc acaagtttcg tcttagaaga gattttgaat 240
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aaacaacaat agttattgaa agtagaaacg gtgacgttta actcaaacc aattccgaac 360
50 aagaagtcaa gctcaagcat gttcatttct tctctgctta tt 402

<210> 780
<211> 402
<212> DNA
55 <213> Arabidopsis thaliana

<400> 780
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60 gttctcctct taatcaaaca gaacttcag cttttgaaga gggtgagctt tcagacatag 180

5 cggcatttga aggaatatcc ccagggggcca gtgggagtca gtctggccac agaacatcat 240
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 cagaaactgc tcggcaagtt gcaagtctcc ctgtttcctc cattcctgta ccttatgacc 360
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10 <210> 781
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 <213> Arabidopsis thaliana

15 <400> 781
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 aggatcattt tcaatacgtc ccagatggct aatctgacga ttcaattcct gtcccttggt 240
 20 ttcaaagtct gttgatttct caggtcttgc agtgattagg agaggcttcc atgagatcat 300
 gagatagaga agagctaaaa ccaagaacat tcgatggtaa aagagttgtc ttctcgccat 360
 ttacttttgc cacaaaaaaa gacagagaat cggacgcgtg g 401

25 <210> 782
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30 <400> 782
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 ccagggtaga agctaagctt ttagaggatg acacttttaa aacagaccaa gcagagttga 180
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 35 caccagattc caaaaagaga cgggctgaag atgaatcagg gcctcaagct tacgccttat 360
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40 <210> 783
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45 <220>
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 gttgactcca ccatctcaga gaaagtttcc aacaagggaag acgtttgcac tctgtgtgag 180
 gaatatgtta ctgatgctct cagctacctt gagaaaaatg tcacacaagc ggagatcatc 240
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 gtggattact atgttctctt tttcttctta caactagagn nntttcaacc tcattatttc 360
 55 tgcaagagga tgaatctttg tggcaaagtt gtagctcttg t 401

60 <210> 784
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5

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aacaacatgc	ttgcgatgaa	gcgagcgcaa	gatgtcttac	tacgagccaa	cggctttgac	180
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ccacatacga	cttaggatac	ttgcaagcca	ctcaaccttg	cggactacga	tctttaaaac	300
acaaattgcc	ttcgatttat	gtttttcaat	tttaataaat	tatgtttcag	tcacaatttt	360
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15

<210> 785

<211> 401

<212> DNA

<213> Arabidopsis thaliana

20

<400> 785

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acggcactcg	agctctctcg	gtagccgatc	ttcttcttct	ccgttacgtg	ccgccggaga	180
tgaggattct	tcctgccttc	atgtacacga	tcactctcct	aacggcggag	acgacgaaga	240
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tcctttcttc	ggatgatgat	ctagggtttc	tcctcagaag	aataaaatct	cgcttctatt	360
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30

<210> 786

<211> 401

<212> DNA

<213> Arabidopsis thaliana

35

<400> 786

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aaattatata	tgtggctcat	ccataagggt	actgaagagg	gcaaggggtc	aaatatatta	180
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cttcactggg	ctgcattcag	tggcagggag	gatactgtcg	ctgtacttgt	ctcactgggt	360
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45

<210> 787

<211> 401

<212> DNA

<213> Arabidopsis thaliana

50

<400> 787

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gtaaatgagc	ggacaactcc	tcgctccctc	aaagactttt	ggaattctgc	aatcttccat	360
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<210> 788

<211> 401

<212> DNA

<213> Arabidopsis thaliana

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 10 tcggtatga ataatcccca tttctgttca ccagatgcag tcctttcaag ctttgccgac 240
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 atgaaccata caaagaaatc tgaccttccc aaatatttaa tatctcttca aaacctaaact 240
 25 cttttatttt tctctctcct aataacttaca aaataaccac aaaaaaacac tagatactta 300
 ataaaactta acccagaaaa ttgctcgtt acctatttac actcttgaaa aaagcaaaact 360
 ccaaaaggat catcgatctc ctctttcccc cctcaaagat g 401

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35
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 aaagttcata tcgtttctca gaccttaaga ttctaccgtt cggagtttcc aagttgcaaa 180
 gcttgacgaa agagtgaac agaaacatgt agcatgctca cagatcgatc acacgagaca 240
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 40 tctttgcacg aggacgggtt gtctccaaaa cacctgcaac cttgtctatc ttacagtga 360
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 <211> 401
 <212> DNA
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 caactataag gaaagcttga agaggccaga gctattggtc atgtagaaat tgtttaagat 180
 tcgagagctt tgggttgatc taagacaatt tatctatgca acaaaagtct taccttttga 240
 tccaatctcc acatcacctt tcttctccaa aacgctagtt ctacaatctt cataaaacac 300
 tacacaagcc acccatttga tcatattccc aacacagatc aaaccacat agaaactcgt 360
 55 gtacaacact ctgtttccat tggaactctc cgtgcatttg a 401

60
 <210> 792
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 <212> DNA
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5

<400> 792

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gttggatatag	atgtcaccaa	gagcaacgag	tggacagggg	cgagatcatt	tggttaggaag	180
10 agtctgcatt	tcattggaac	tactccaaac	ccttatcaac	aagctatttc	catcattgga	240
aagactttat	cggtttttga	tgaggataat	ttgatcccct	gttatggatt	tggagatgct	300
acaactcatg	atcaggatgt	cttcagtttc	aatcccaatg	atacatattg	taacggggtt	360
gaagaagttc	tcatgtgtta	cagagagatt	gttccccagc	t		401

15

<210> 793

<211> 401

<212> DNA

<213> Arabidopsis thaliana

20

<400> 793

gctactacta	ataaaagaag	aagaatatga	tgagaatcgt	agcagggaca	taaaacatta	60
ggcttgtggt	catttcttcc	catccacttc	gactgggtca	accacttcag	cttcaaacgt	120
ctctgcacgc	tgagaatgtg	ccatctgctg	ttgctgcggc	tgcacctcag	ggcttgacca	180
tttcccggaa	agagctacat	ccatcatctc	atatatcttc	ccacccagct	ctgctggatt	240
25 atcgggcgtg	aaccactag	aaactagtgc	tgcgtcatac	ataagatcta	tggtctctcat	300
tgcactcttcg	tcatttgggt	tactattgta	agcagcattt	atgttcttga	taattgagtg	360
gtcgggattg	atctcaaaca	ctcttctccc	tttcatgtag	t		401

<210> 794

<211> 400

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

40

<400> 794

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tcacaaggca	ttcataacgc	aacacaaata	gcaaatgatt	tgtttggtgcg	aaggattggg	120
gaatatTTTT	gtgtatcttc	ggccattgat	tggactttag	gcttttttga	gcacctcctt	180
tgctttgttt	acccatacgc	tgaatatgtc	gtccgcgaac	aaaacaaaat	gcacctcttt	240
aaagtcagta	gagaattggt	tgatgggtgn	aatacctatc	gcagcagctt	catcaaaagg	300
45 atatccgtaa	atcccacaag	atatggcagg	aatgcaatg	tatttgatat	tgttttcctt	360
tgcaactctc	agactatttt	tgtacgaatt	ggtgagagat			400

<210> 795

<211> 400

50 <212> DNA

<213> Arabidopsis thaliana

<400> 795

tttttttttg	ctaaaaacta	gttcttgttt	ataaaaaataa	acatacatat	agagaaagta	60
55 aggtgagagg	tgattttattc	gaaaattaag	aaattaatat	acaaggacat	tcattataaa	120
aaaaaaaggc	aagaatatac	atatgtatag	tatgtacaaa	gcattaaaac	gaaacgatta	180
caaacttagg	gaagaaagcc	gatgatgtaa	tgggaagaag	gaggattagg	ggaggcagag	240
tatgagtaga	gaccatggcg	gagtagagcc	ggaggagggtg	gagaagattg	ccttaagaag	300
attgtgacgg	cgtcagccac	caccaccaag	aactccattg	ttatcttcgt	aatctctatg	360
60 catagctcga	ttttctttat	caccatcctc	tctttctttc			400

5

<210> 796
<211> 400
<212> DNA
<213> Arabidopsis thaliana

10

<400> 796
gtgtttttatt gagcttaacg atctttacaaa atagccacaa aatgcctgtg gttgtcacag 60
agtggaacaa caacaaaaaa aaattaagtt agagagtga ttacaaatgg tacgtatatg 120
tagtagaaca catataggag gcgacaaacc atctttcaaa accaaatctt cgggaatttg 180
15 cttaaagacac aactcaacca gatttctcaa tgaacctcag tgttttctcc tcgggtttga 240
gttgaaacaa agccacttta tggcaaagat gatatacctt ggggagattt ctccatccaa 300
aaggagcgtt ctctattgct tcatgtctgt tttgaacaca taaccaaga gtttcttcat 360
atctagttat ctattctcta cagacaagcg tttcgtccaa 400

20

<210> 797
<211> 400
<212> DNA
<213> Arabidopsis thaliana

25

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

30

<400> 797
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aaaagctttg attttgtata aaatcccacc actgctctct taccatacct tcattacaca 120
tctctctttc tctctctcgc tctcagtttt ntgggattgt ttctttaaaa ggggttctta 180
gggttttagtg aagctataga tttcaatttc atacatagtt aacgtataga aggaatcttg 240
35 ggttgatcaa tggaagggtg tccaagaaac agagaaatcg gtccaaaact tcttgatttg 300
attccacaag gaaggaaatg gnaccaagaa gacaagaaca acacagatca ggagaagaaa 360
cttgagctaa ggcttgacc acccggtggt gatgaagaag 400

40

<210> 798
<211> 400
<212> DNA
<213> Arabidopsis thaliana

45

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

50

<400> 798
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aagcggctctg agatcgagca gannnaaatc cagaagcttc gagaggaaga acgacgcgag 120
cacgagctta aggctcagcg gagagccgcc gccgccgctt ccggtggaga tggaaaatca 180
tccggctctg ctcttggttc ttctaacgca gctacgtctg cgtcttccaa atcctctgca 240
tcggacgctg ctgctatcgc cgattcaaaa gccctaaccg acgaaaacct aattctcccc 300
55 aggcaggaag tgattcgtcg tttgagattc cttaaagcagc cgatgactct cttcggagaa 360
gatgatcaat cgcggctcga tcgactcaag tacgttttga 400

60

<210> 799
<211> 400
<212> DNA

5 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(400)
 10 <223> n = A,T,C or G

<400> 799

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15	agtcgaccag	gagtcaggtc	gagcagttga	ccagtcgaca	gtcgagtcaa	cagagagaaa	180
	tgcaactcat	cgatcaagcc	atcaatcgac	tgaacgggtc	gaacgacgac	aagctgacgg	240
	cgtgtcagtc	gctgttgact	catctgtcga	ctgtcagtc	ttccacacca	tctcatgttg	300
	cgtgtgttga	cctgctcgag	cactggctgg	ccctccttca	agagcnnntc	cacctcctc	360
	ccccctcctg	ctccccctc	ctctctcccc	actccctcaa			400

20 <210> 800
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 800

	cggccgcacc	cacatcaaaa	gatctctcat	ttattcgttt	cgtttctgct	gttttgagtg	60
	tcgggttcgt	tttagctgta	atcttttttt	ccggcgttcg	atttgaaaaa	atccggggaa	120
	caggtgatcg	gaatcacggc	tatacacggg	atatcacggg	gtgttagctc	acatgtccat	180
30	attgtccgac	agaagggttg	tttaatcgaa	actaatcctt	tgccgcacgg	aggacgtgga	240
	gctctgccgt	ctgaaggcgg	cagcccttcc	gatctcctct	ttctcgccgg	tggcggttcc	300
	agctttaact	tcttttcctt	taggttttag	gagttagggt	ttgttagtgt	tttttccttc	360
	ttcttttttt	ggtgctcttg	aatcgctttt	ttcttggggg			400

35 <210> 801
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 801

	ggtcgcgcc	gaggtactaa	attctcttgg	ggatcattca	acgaagcgac	tcctacagcg	60
	aatgaagctg	gtacgtttgc	aagaaacggg	cttgtggaac	aaataagcat	gacttgggac	120
	aaatctgact	atTTTTTgta	tctaacagac	attacaatcg	gttccgggtg	gacatttttg	180
	aagactgggtg	attcacctct	tcttacagtt	atgtcagctg	gacatgctct	tcatgtgttt	240
45	gtcaatggtc	agcttttcagg	aactgcctat	ggaggacttg	accacccaaa	actaaccttt	300
	agccagaaga	tcaaactaca	tgcagggtgc	aacaagattg	ctcttctgag	tgttgagctg	360
	ggtctcccg	acgttggtac	ctgcccgggc	ggccgctcga			400

50 <210> 802
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 802

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	aggtgtcgtt	gacggcaaag	gagacgcac	tacggcaaac	ttccgttgag	acatctccac	120
	ggcagttgaa	aagtcgggtg	actctgtctg	gagcttggcc	gacgggtggc	ttttggaatc	180
	cgggtggagta	ggaagcggtg	cggaagaaa	gagaagccaa	aagggctctg	agattgttgt	240
	tgtaagtgt	gttacttgtg	taatttgcg	tatttttgaca	ggtgtggtat	acgtaagtgg	300

5 gatcttgagc agaaactctg aaactcgtga gaaaggagaa gagggaaaagg aagaagaaag 360
aggagtaata agacataata cctgcccggg cggccgctcg 400

<210> 803
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 803
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15 ccacacagac aaatcttgta acgaagacgg gatcgcgata agatcccggg gatcgaaaag 120
ccctaagaag taatcttcaa gggaaaggga cttaaagatg catacttttg gttacagagc 180
aaatgctctg ctcaacttcg cagtcacggc tcttgctttc atttgcgcaa tcgctcctt 240
ctcagacaaa ttcagcaacc aaaatccttc tgctgagatc cagatactta atatcaatcg 300
gtttaagaag caatctcatg gtaacgatga ggtcagcttg aactggaca tatcagcaga 360
20 cttgcaatca ctttttactt ggaacaccaa acagggtttt 400

<210> 804
<211> 400
<212> DNA
25 <213> Arabidopsis thaliana

<400> 804
agtatgggtga tttatcgagt tttctgttcc ataagagaga acacatgagc ttctggatct 60
ccgggaggca gctatctgca aacgtggcga tatgctttct cgcatagtcg atagcttctt 120
30 tggagttttt gctcctgtgct atttccagaa agtgtagact atgaagcttc atctcaagat 180
cagaccttgc ttcttttagt ttgtcagagt tcgaaacagc ccaattaaga gccggttcaa 240
gatctcgtct cttcatagct tctagtatcc gatacatctc cacgaaagat tgtctttag 300
aacattcaga ttcaccagtt tcagcaacaa aacagtcacc aatgtcaaac attccttgac 360
ggtagaaaaa gttggcgata atctgggttaa cgatatgagt 400

35 <210> 805
<211> 400
<212> DNA
<213> Arabidopsis thaliana

40 <400> 805
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agaacacaca catactcgtg cattcttatt attcagtga gaatagttct aaagcaacat 120
taactagaga agcatggatc cacatcacgc attcaccttc gattcccaac ccgcaaccac 180
45 aatctctttc ttagccttgg tggtctcaaa cgactcccta gagaacaaag ccttggcgta 240
gttacgaaca ctggtcaagc tctcagggac agaccagttc ttgtaatgac caagagcaac 300
ctcaagatgg taaagctttg gtgctaaact caaatccact gcagtaatct tctctccagc 360
tacaaaagga ccagaatgtg tcttcaagtg attctccaac 400

50 <210> 806
<211> 400
<212> DNA
<213> Arabidopsis thaliana

55 <400> 806
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gattttgtag gtgacaatca aaagtgtgac aaaatgggtga agtttacagc tgatgagctt 120
cgaaggatta tggactacaa acacaacatc cgtaatatgt ctgttattgc tcatgtcgac 180
cacgggaaat ccactcttac tgattctttg gttgctgctg ctggtatcat tgccaagag 240
60 gttgctgggtg atgttcgtat gactgatacc agagctgatg aggctgaacg tggatatcact 300

5 atcaagtcca ctggtatttc tctctactac gagatgactg atgaatcctt gaagagtttc 360
actggagcca gagacggaaa tgagtacctc ggccgcgacc 400

<210> 807
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 807
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15 aaggaggaac taattcaagt gtaataactt gctgcattcc aaattgtgaa aaagaagctc 120
ttgcagttgc ggctgccatg gagaaggcca ccacgcattc tattggaaga gctgtttag 180
atcacagtgt gggtaaggat cttccttcta tttttgttga aagcttcgaa ttttttctg 240
gtagaggcct tactgctact gtcaacgggtg ttaagacagt agctgaagag agtagattac 300
gaaaagcatc acttggttct atagagttca ttacctcact tttcaaactc gaagatgaat 360
20 ctaaacagat caaggatgct gtaaacgcgt cttcgtaccc 400

<210> 808
<211> 400
<212> DNA
25 <213> Arabidopsis thaliana

<400> 808
taagtgaat cactactaat tgcaaaaaag tcttacaag gtttttgata ataattaatt 60
ggatattttt ttttgaaaaa tatggtctgc aattacaagt aacttgagaa cagagtgcatt 120
30 aatagcgaat tgactaagct tagtcagaaa acttgtgtag actccttatt tcttctcttc 180
tgttaaagga gcttgagcgg ctgctgactc ctctgtggt ggctcattg ccggaagaa 240
aagaacctcc ttgatgttca gtgagtcggt caaaagcata gagagtctgt ctattcctaa 300
tccccagcca cctgtaggag ccaaccata ttctaaagca ttacaaaatg tttcatctaa 360
agccatcgct tcctgctctc cagactgtcg atccttgagc 400

<210> 809
<211> 400
<212> DNA
35 <213> Arabidopsis thaliana

<400> 809
tttgcagggtg aaaattaagt ttatgaaatg gaaaccaaac taataatttt ggtaagata 60
aatatatgtt tcttacggaa gagacaatga ttcttagttt aacatgaact tatctacatc 120
tcgacgttgt ccagtcaaa tgtatttctt tcgaaattgt aatccggttg ttgcattcgg 180
45 ttcttgcca atctgctcat cactgcaagc ccttctacca ttctatagag tgatgacaac 240
catcctcttc tagagatatt atgttctca agcactctg caatctcttt gtcgtgtttc 300
ccctcgagaa cactgcgag agtcacaact gcactgtttg ttctcttcaa aatgctgctg 360
tcattctcaa tttcaaggct ttgaagatcg ttgtgcgacg 400

<210> 810
<211> 400
<212> DNA
50 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1) ... (400)
<223> n = A,T,C or G

60 <400> 810

5 tttttttttt ttttttttgg tagcaactaa aagcttcttc tctccaaaat ttgacatttt 60
 tccaacttct gttattatta ttaacatatg taaannmctt aactgtagta gttaaaatac 120
 gtatagatgc aacgggtctaa gcttctcgct atgtatgaat gccaaagcaa ttgcaaatac 180
 ttgcagacta gtcaactttg cttcgaattg aactaagtag agtcctccac taacattcac 240
 aatcttttagt cctgtttgtt catgttttga cccctctatg aatagttcga agtactgggc 300
 10 tttccgtggg tggcctttta gaagggtcaa ggaacaacac aaatcccatc ctccacagtc 360
 acaatttcct tgagatttcc atctctctat caaactcgaa 400

<210> 811

<211> 400

15 <212> DNA

<213> Arabidopsis thaliana

<400> 811

20 cctctagagc ggccgccttt tttttttttt tttttttttt ttttttaaaa ccacgaaatc 60
 caacattttta gtttttttgag aagaaaaaaa cagactgcga taaccgggaa taggtacgca 120
 tgatgagatc ggttttgattt agtattttta cagaacattt ggtgagacaa cttttaagaa 180
 gagggagaaa gagaaccggg tacatcattt ggtgactaac agagagagac agagcttgca 240
 atattttcca tcattctctc tctgcagcac tagctgcgtt aagatccaca cttagatcca 300
 gttccttttc ggtgatcaat ttatacatgt tcaacacatc aacaacagtt gtgtcaaagt 360
 25 gtattgtagc atcataactc gttgatatga agcagttgtc 400

<210> 812

<211> 400

<212> DNA

30 <213> Arabidopsis thaliana

<400> 812

35 ttttttcggc aaaaatgggt aaaagaaatt agagaaaact gagtagttca aacttgtcta 60
 acaattaaat ctcttgcaag aacagcaaag gcatacttta attgcatagg aaacgagctt 120
 tgacctaac ttagtcgtgg agaaattgaa actgtcttaa acacagtaga tccaaacgaa 180
 cctaattgtc gagaacgcac acatcgccgg aaaactaaag atatagagag agaaacgcat 240
 atcgttgact ctctctcttt ttcactctct tcattttattc ttcccctcat catcatcatc 300
 atcttcttct ttaacaaaaa acacaactta caagaaaact gttgaatcct tgtattttatt 360
 tacatctcct ttgaccttta ataagaatct gagtggttgg 400

40 <210> 813

<211> 400

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

50 <400> 813

55 gcgcccgctt tgaatatacc actagtgggc gaggtgggtc ttaagaaaca caaggacatg 60
 gaccatcata tgagttgaaa tcaggagtca aaccaaaacca caaattaata actacaatca 120
 aaagaaatag ngtttttagc acacaaaaac aagcaaaaaa aaaagcaaaa taacatgatc 180
 cgagtaacat aattgccctt ctcagttcca ctccaccacc aaataacata acccgagtaa 240
 aatttgtatc caaaaaaaca agatcaccat gagaatatct ttannnggac tagccagtga 300
 agcgaatgaa gtctcctaag caatcataga aatgattgat attgattttc tctctcccag 360
 catagatagc ttctgcagat ccaccgtttt ctccttgccg 400

60 <210> 814

5 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 10 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 814

15	tttttttttt	ttttgttagt	aaacggtata	gattcaagaa	ttagtttctg	tataactgtt	60
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	aatatacatt	tcaaacaaca	gcatggttgt	agtcatggta	atggaatgtc	ttgtagatga	180
	agtgtgatag	ccactttgaa	gctgcaaaac	ttaaaacagc	cgccacaagc	actgcaattc	240
	tagccacatt	cgacattgtc	gtttgcttca	acaccgccat	gactccgac	atagcaacgg	300
20	atgcgatttg	taagatcacc	tctagcgcat	tgagatattt	gmnngctttc	ttgcagctgc	360
	tgcagttctc	aacatgcgac	caatacctgt	cgaagagctg			400

<210> 815
 <211> 400
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 815

	aatttgtctc	gccagtgttc	gacccctcgt	tctcatcatc	tccaccgac	ctgctcacaa	60
30	tcttagtgat	gccttttcagc	aacgcttcac	taaatctccc	actttgggtc	aaggtttctc	120
	taatctcttt	gccatggagg	tagatcctac	cgttgaaact	gatgacatgg	ctggtacaga	180
	cgggatggat	ggttttattct	ctgatttggc	aaatgcgatt	cctggaatcg	atgaggctat	240
	gagttttgct	gagatggtga	agttgggtgca	aacaatggat	tatgctacta	ttgtgtttga	300
	cactgtcctc	actggacata	ctctccgcct	gttacagttt	ccggccacac	tagaaaaggg	360
35	actttcgaag	ttgatgtcat	tgaagagtag	atttgggtggc			400

<210> 816
 <211> 400
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 816

	gctaactact	tcaacacttc	ttgggtcagcg	gataatctct	tatgggtctac	aacgggtacg	60
	cagcccaccg	atgggtcttag	accagtacca	ccgcccattt	cgtcagaaca	agtcttcttc	120
45	acaaacccac	ttcaacaaaa	tctgagaaca	gttccaaaca	caaacacaa	tagtcccatt	180
	tgttccgtcc	caaccgacaa	gaaaaacggt	cttgcgacaa	cacggaatcc	aaagaagaga	240
	tctcgagtct	cgagacgagc	gcctacgact	gttttgacca	ccgacacatc	caacttcaga	300
	gccatgggtc	aagaattcac	gggtaatcct	tcaactcctt	tcaccggatt	atcttcatct	360
	tttccaagat	cacgatttga	tctcttcggt	tcttcttctt			400

<210> 817
 <211> 400
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 817

	tgcacgatgt	ccgatgtctc	gtcgtctctc	ccggatgcca	cggcgtcgca	ctgggtgctat	60
	cactgcaaca	aacgcgtcgt	cgttgaaacc	ttagatgact	ttgtcgtgtg	ctgcgaatgt	120
	aacaaagggt	tcgtcgagtc	aattcaaccg	actccgcg	cttattcatc	gccggcgcca	180
60	ccgcagccac	tttccccaga	tctgaatgta	gaagactcca	gtattggctc	gcatttctct	240

5	cagatgctcc gcttggttagc ccacgcgcct tctcagcggt caccaccacg acaccttgat	300
	gttttatctt acgaagatga tttcttcagg ttggagctca atagtagaaa cgaaatcgac	360
	gatgacgaag acgaagatga agatgatgga gatgaagaag	400

<210> 818

10 <211> 399

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1) ... (399)

<223> n = A,T,C or G

<400> 818

20	catccgtaga ttatggatca tttcctacaa agctatcgac gaattcaaag aaactatcaa	60
	gtcacaacaa ctgtatcttc ttcccaataa aaagaaaccg caaacagata gatcaagaag	120
	taccacacaa aatggaagta aacagatcag gcagcttgaa catcagcagt ggttggtgca	180
	ggagtagtct ttgacagggt tgggatatac ttccaacaac gtttggaac tccgcttacc	240
	ttctttgnag cttccgcagc tcgcaatcca tctttgtgaa caattcccca agcttttcca	300
25	tgtctaccat ccttatagag attgatctta gtgatttcac aagagattcc attccagtga	360
	gcttttagcca tatggtatcc gattccccaa ttaggtaag	399

<210> 819

<211> 399

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1) ... (399)

<223> n = A,T,C or G

<400> 819

40	tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttaattgac	60
	aaatccatag tatatttcga ttgaaattgg tgaccatatt ctctactcta caacaaaaat	120
	atctaaaaaa agaaaactaa atcaaaagtt cttatatattc aaacactctc aaggggattt	180
	tgctttataa ttgttagagt gtaaggaaca aagccaagnn ntagtatata gttacaacaa	240
	aacgacgggtg tattgggtcac tcaggcagtc tcagacgggt gaaaaggacc aagaaactct	300
	gctcagggcc aatatataga aatccaagat ctgcgcctt cacatatggt cccattccct	360
45	ttccattgag ttttaagagc ttgcctctga cccatcttg	399

<210> 820

<211> 399

<212> DNA

50 <213> Arabidopsis thaliana

<400> 820

55	tttttttttt aaaaaagtaa caaacttcaa caaaatcttc acaatagtgt caaggatcat	60
	ccattaccca taaaaaaaaa aactgaaaag ttacgaaact caacatgaat cacacacaga	120
	gatttgatta tttatcatac aagaggaagc caaactgaaa atgtgcttgg ttactagcag	180
	ccactcattc atgaagatgc tgcaactata ggcactctgag ttacccaatc aaatttgtct	240
	cgactgtgtt tgcgagaagc ttgcttcttg tctttgtctg tgccaccacg tgaggaagag	300
	ttgtctttag acttctgtcc tttctttcca gtcttctctg ggttgtcttt gctcttggat	360
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5 <210> 821
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 821
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 acctataaac caaactcatc tcatgaaggt cttaagcttg gtcttcaccc tcagtataaa 180
 ccttggttgc agaaacagcc ttagtcgaca ggaaatcagt gtgctcttgg tacggcgatc 240
 15 tggagaatct agtctctttc cagaactctg gtgtaaggaa cccatatgtc ttctgtaagc 300
 aatcgaatgt agccttgaca aagtttccaa gggttttggt agatcctctt gaagaagtaa 360
 agacatcatc aataccagcg aactgaagaa ccttcttag 399

<210> 822
 20 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 25 <221> misc_feature
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 <223> n = A,T,C or G

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 cagacgtggc ccaacataaa gatgaaacga aagaaatggg caaattctac ttggttatcc 180
 agtaaataaa tatgagnnnt gtgcatacag ccgcaacgag tgaaagaatg attgtatcca 240
 tcgacttttt cctctttatc gctgccagaa tagtgttcac cgtaggtaga cggctggcga 300
 35 cattgctaag ctttgagttg atgcctccaa aagttgaacg ttgaaacaca agtgtaccga 360
 gtgttgacct agcttgtaga atgacaccgt ccatctgag 399

<210> 823
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 40 <212> DNA
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<220>
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 45 <222> (1) ... (399)
 <223> n = A,T,C or G

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 50 cttttatata tcacagattg cagacaggca ttactcaaag tgaagccatg taaacaatcc 120
 atacatatat aaaaaataaag tcttcattac tactaccaa agccagaaaa gaaaaagaaa 180
 nnnnaaaaaa nnaaaaaagc tcagaagcat ctaatcatcc taaagctggg gaaatctcaa 240
 tctactcaac tacgtagcaa gcattattgt tgtaataatt aggaactggt ccaagataat 300
 caacagtagc agatggcgtc tgagacgggt atgcaaaagt gcttgcaggt agatgagtaa 360
 55 gctgcacata cgtaccggtg gcattacaga acgcccctg 399

<210> 824
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 <212> DNA
 60 <213> Arabidopsis thaliana

5

<400> 824

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ctgtttccac	ccaaaatcag	gtcgggaagat	agttgcaggt	aggaagctaa	tcaaacaaga	180
10 cacccttattt	ttcacgacga	gatgttgaac	ccctgaagaa	tggtggacac	cattttgatg	240
gataaaacat	tttcatagga	gaaatgatag	agtccagggg	aaaagttgtt	tagcttttca	300
agccttaccg	tgtgcatgga	caaatttctt	attcactatc	tgtttttgtg	tgtagtaaga	360
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15

<210> 825

<211> 399

<212> DNA

<213> Arabidopsis thaliana

20

<400> 825

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caagtatgat	agtaacaatc	tcagacaagt	ttgattcaag	aaaatcattg	atctctttta	180
gtgcattgat	agctgggtga	aaggctgtga	agttaaagca	agtccctcca	gtggaatgac	240
25 acaaccatat	atcgttttga	aaatcatatg	tatctagcat	tatacctctc	acaccattct	300
taagctgatt	ggatgatggg	tcttcttgat	tctttggaga	gacaaggaat	gaaccagttg	360
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<210> 826

<211> 399

<212> DNA

<213> Arabidopsis thaliana

30

<400> 826

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ttagagatgg	tatgaacctt	actccctacg	aatatatcgt	ttgtagacaa	ggtttacttg	180
ggtctgaatc	agacttttagt	ggcccaaaga	agagcatgtt	ggttgcata	gagtttattg	240
gatgttcccc	ttcgcttagt	ggggctatac	gcgtaaaccc	atggaacggt	gaagctactg	300
40 gagaagcact	aatgagggcc	ctctcaatga	gtgatgctga	gaaacagcta	cggcatgaga	360
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<210> 827

<211> 399

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 827

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gtgtttacc	ttggtcctta	tcatacaggaa	caggttgaag	tatgctctga	catacagaga	180
agtgtttc	atcttgatgc	aaaggcatal	tcaggttgat	gggaaagtga	ggactgacaa	240
gacttaccct	gctggtttca	tgatgtttgt	gtctatcccc	aaaacaaatg	agaacttccg	300
tcttttgtat	gacaccaann	gacgtttccg	tctccactcc	atcaannatg	aggagggtaa	360
60 gttcaagctt	tgcaaagtga	gatcgatcca	atttgggtca			399

5
 <210> 828
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
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 <223> n = A,T,C or G

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 tgggtgggtgg ggtgggtggac gtagaggatc tagccatgga agtctcttgg ttcgtaacat 180
 20 tcctcttgat tgcagaccag aagagcttcg tgagcccttt gagaggtttg gacctgtgag 240
 agatgtctat atccccagag actattactc nnngcaaccg cgggggtttg cgtttgtgga 300
 gtttgttgat gcatatgatg ctggggaggc tcaaagaagc atgaacagga gaagctttgc 360
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25
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 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

30
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 ttcataacaa cgggaggacc agcggttcct ggccatgctt ggaatttctc atccgttgct 180
 gcccaccatt ctttgttaga gacagttcct ggagtagtcc ctccaaagat cttattatca 240
 35 gagataactt tgtcgaagat gtatgagatt ccgaaagaac cgatgagagc accgattatg 300
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40
 <210> 830
 <211> 399
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 <213> Arabidopsis thaliana

45
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 ttacacgagg agattgagtg taagaaggta aaggcgatgc accaggagtc atgtgcagca 180
 gaggccgatc atgactatat cttaccggag atttctgcat aacagaagaa tgatgaaatc 240
 ttggagattc catttggttg tgtttggttc caggttttagc aacggattct agctgttcta 300
 50 atgtgactaa aacctctgac atttttggcc ggagttttgc atcgggattt aagcattgca 360
 atgcaagatt agcagctgtg aaagctcccg gacgcgtgg 399

55
 <210> 831
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 831
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5 acttttctct ctgctgcttt taggagctga ttttctttcg tcttccattt ctcttcttct 180
cgcccatgga gcccgaagac ctctttcctg attaccacta tggttttcct ctaacctacc 240
cttaattcta tctcggagtc taccctgaga aggtaactcg cttctgtccc tccccctctc 300
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accctgaaga cgactactgc taatggagcg gacgcgtgg 399

10 <210> 832
<211> 399
<212> DNA
<213> Arabidopsis thaliana

15 <400> 832
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caaaagtcta aaaaaaacta ctgtacgaaa tgatacaaca acagagtata tatcaatcga 120
aactgcaggc tcgaatcgag tccaaacgcc atcatatcaa aaatcagaga ccttcgatac 180
20 tctgattact tctccaggag ctagctactc tagccatagc tcttgctaatt gaatgcagcc 240
gtgataaatc caaatcgtaa aaccatacag agagactaaa tactacagcg ctattttcta 300
gaataggtca gaatattcac tactgatatt tctttacgta atcataaaac tgggtacaat 360
ttcttccaat gagaattctt acagaaaaag taaaaacat 399

25 <210> 833
<211> 399
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

35 <400> 833
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acaaaaaaag aaggagaaga gaaaactcgg ttttcgtttg gtagggcaaa agcctagttt 180
taacggaaat tagcgggtgct cttgtaagtc ttaccgccgc tccagttagc cggagcaacg 240
40 ttccaagcat agatggtttc accgggtggtg taagaagtga cccggaaaaga gagagattga 300
ccatagagag aggaaaannn ttggtaagag gctccccaat tgtggctcat gcttatccaa 360
ttcgtccggc tacctttaac ggccatgctc ttgatgtct 399

<210> 834
45 <211> 399
<212> DNA
<213> Arabidopsis thaliana

<220>
50 <221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

<400> 834
55 gagatctggt tttgtttcta gaagaaaaca gcttgttttc accgtctctg annctctgat 60
ttgatcggaa tctaattggg aaaaccaccg ggaacagaga ttggactcag atctacgcta 120
tttacggaat cgaacaatgg cagacactcg tcttccttct cttccatgct ttcttcttct 180
ctcttctctc tcttctcttc ctcactctact tcgacagat ttgcttcttc ctcgattcct 240
tcttctcttc cggcgccgcc agattagccg cgggtttcac cggtgctgta accgtctctt 300

5 ccgcggtttg tctactcttc gccgcagcta atttcgttta ctcagatggt ccgcttcagt 360
acgagatggc tcaacgcgat gttagctccg tcggtgact 399

<210> 835
<211> 399
10 <212> DNA
<213> Arabidopsis thaliana

<400> 835
15 ttgtcagaaa ttggcgtcca agaagcagat gttaagaata tattctacct aagagaaatc 60
gaggatagtg atgagcttgc cttggctatg gaactatatg tgcaaagggg aaaggccgtc 120
atcattggcg gcggtttctt agggcttgag ataagttctg ctctaagggc taataatcat 180
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gcttcattct atgagagtta ctatgccaac aagggaatca aaatcatcaa ggggaactgta 300
gcaactggat ttagcaccaa ctcagatgga gaggtcactg aggtgaaact agaggatgga 360
20 agaaccctag aagctaacat agttgtcgct ggtgtcgg 399

<210> 836
<211> 398
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(398)
30 <223> n = A,T,C or G

<400> 836
35 ttgatgttct tgtggataat gaggctggag attctgagta ttatcatggt gaagatcgat 60
atggacgtag aagtcaggag agagggaact cnnagtatga ccctgatttc agtgcaattg 120
ctgatggtga taaagaagca ttacgtgaac aacgttttga ttcatatgat cggaggggaag 180
acaggggatg gggccatcgt cgagtttctt ctgagagaga ggatcgtttg gacagaaggg 240
tttacgcaga agatgagaga tcagagaaca tactggaatc ggatctgaga tatcgtttgg 300
ctaagcagag aaaaggcaat ggtatgagat tatcagtagg aggccatgac tatgctgctc 360
ctgactcttc gatggacaga ggatatagag agtctcgt 398

40 <210> 837
<211> 398
<212> DNA
<213> Arabidopsis thaliana

45 <400> 837
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ataccgatta ccgcttttgt ctacatatta actgaaacaa tgtacatggt attagacatt 120
acagaaattg aaaagcaact agtaagccaa agggatgtat ttgctgacaa gtctctctct 180
50 tctcatagct gcccaagttt ttctgaagc atctgcatta actttggatg ttgttccagt 240
agctgacaca gcttgtcacg gtcacttaat agagcctgaa tggcttcagg ggacttgaag 300
taatcatgta atgacattcc agattcttgt tgctgggaag tcccagctcc ttgctgacct 360
tgaacagcat gatgctgttg ctgttgctgc acctggga 398

55 <210> 838
<211> 398
<212> DNA
<213> Arabidopsis thaliana

60 <400> 838

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 cacaaggctc ctaatgatga ccagtaactt catatctacc aagaaacaaa ggaacaaaga 120
 aataatccag aaacgatcca cacagcattt actgttcttg tcttgagtgc taaacgtttc 180
 ttctttttgt ttttttactt tggattttgc tttctcagag ccgaggagac agcttctgtg 240
 tagcttcacg gtaatcataa actcctactc ctctgttttct tcctaattctc ccagcatcaa 300
 10 cgtattgaac aagaagaggg caagggtcgt actttgagtc cccaagtccc tcgtgcaaca 360
 ctttcattac ggacaagcac acgtctagac cgattaag 398

<210> 839

<211> 398

15 <212> DNA

<213> Arabidopsis thaliana

<400> 839

agaaggagga ggcaatggcg gtgttatcca ccatctactc catcaccaga gcttcaacgc 60
 20 ctactatggc gtctctaact aatgactcac cgtctccact tccttcttct tcaccgtcga 120
 agcttccctc tcctacttct ccgtcaaaga aaccgttaaa actaagacaa gtgagcaaac 180
 aaatgggaag tcaaaaccag caacgacgag gcaacaagcc ttcgatagca cagattgaga 240
 gagcttttgg ctctggatca tatcgtgatt ccgaagggga aatggatatg aatacggtat 300
 tcgatgagct tctattaggc catgctaata aattcgaaag taagatcgag aagaagctac 360
 25 gggagattgg cgaaatcttt gtagctcgaa cagagcct 398

<210> 840

<211> 398

<212> DNA

30 <213> Arabidopsis thaliana

<400> 840

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 35 actactgcac tttttctaag ctttaaagta ttggctactc tctagaagaa cctaaactct 180
 cgacaaacag cttacgaatg tatgaacttt atttatttct tgcacaggag aacctcaaga 240
 gaagaagatg acatctattg aagatatcaa atctcttgac atgaaaacgt aagaatcttc 300
 agtcttctga ctgcataaca aaccagtaat ctttcttctgt attcttcaga tattcttgta 360
 tgtatatttt gctagatgat tatgttacta tttctttt 398

<210> 841

<211> 398

<212> DNA

<213> Arabidopsis thaliana

45

<400> 841

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 taatcatcgt gcttaatctt cttcaaggac tgatcctgat gctcgaacgg atcgatacaa 180
 50 ttctgctgga ttgtttgaaa gtatgtctcg gtgatagaga gcagaaagtg ttcaactacc 240
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 gttgcttacg gatttcgaag ctgctaactc ttccaaaagc ttccatgttg cttctcgttt 360
 ggctacaacc tcggtttcat tcgcttcacg ttcttggg 398

55 <210> 842

<211> 398

<212> DNA

<213> Arabidopsis thaliana

60 <400> 842

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aaggaagtaa atgaacccaaa aatctgagta caaggggaatg aagggtatgt tcagcatcat 120
ctcgtagctc tcaaggaatt cgaaagaaac tataaatatg gaactcaaat tccgcttggt 180
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tattaagcat atgcaagaga tggatccagc ttctaagctg ctgactcttt agcgatcttc 300
10 tctgcctttg caaccacctc atcgatacct ccaaccatgt aaaacgattg ttcggaaaga 360
tcatcgtact tgccatccaa caaacctgg aaactgtt 398

<210> 843
<211> 398
15 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
20 <222> (1)...(398)
<223> n = A,T,C or G

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atgtacaatt gaaggatagt aggagtaaaa gctttatgaa gaatctgaat aaagtttcca 240
ccgaccgatg atgacggaag tttccgacga agagatgttt tcatgatgag tcggtgatag 300
cgtagctgac gaagcgtcgt tctcctgtca aacaccacg ttgcataaca cgtgttttta 360
30 atttgctttt atcttatgct gttttgcaat tagggggg 398

<210> 844
<211> 398
<212> DNA
35 <213> Arabidopsis thaliana

<400> 844
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gttaaaacga taatgttcat aaaatggagg aaatcaaaat atagcgggtg cattccatta 120
40 ttcagtcctat aattcatagt attcctatac aagacagaaa atgccaaaaa tgccctctag 180
ccgaacaata tacaccgatt catatcgact cagttcgagc taatcggctc ctgctccgat 240
gcttcccacg acggtggcgg tgaggaatcc caccgaacgt gaccggatca tagaccctga 300
gacgcttagc ctcagccgga ttcacaacac actccgacaa aaccaccttg tacctcatat 360
gatcgaatac atacgaataa gtcatgtggt tctgtcgg 398

45 <210> 845
<211> 398
<212> DNA
<213> Arabidopsis thaliana

50 <400> 845
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acaagcctaa agaaaaagaa gaaaagaaag cgcaaaattt ggcatgagtg tgatcgaatc 180
55 taacaacat cacagcttca aagagacaag ttatccttgc gggctctttc aagatctatt 240
gctcccatat ttgcgagcga cattagcatc caacagtgt tcccaaacat gtatctctcc 300
ctttgagcca ccaatagcaa gcaagaaagg gttgtccacc gcaaaggaaa tggaaaacac 360
agctccagca tttggttggt gtgtagcaat gcatgaag 398

60 <210> 846

5 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<400> 846

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	atctgggata	ttctaataatt	taacaacaac	tagcctccac	tatatattaga	agagcccact	180
	cgaagcatca	ccacgaccac	acaaatctaa	gatcttttcc	tcttgatatt	gttttttagca	240
	ttactatttt	gatatatgca	aggtttagac	cccaaaaaaa	aagaagaaaa	aatataattg	300
15	atatttttcaa	aatttgagct	ccatctcttc	taagccatgg	gaaacacatt	ccaagacgaa	360
	gttaatcaat	agttcatcct	ctgctttttc	atcaagtt			398

<210> 847
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<400> 847

25	ggatcctcta	gagcggccgc	cctttttttt	tttttttcaa	acttatttgt	tgtatctaaa	60
	tatattacaa	agtttcaacc	caaattttaca	atcttctctg	gagagatact	tcataaagca	120
	aaaaccataa	agtttctaatt	aagagaatct	cactctactt	aattaacaaa	gatctttttt	180
	aaaacatcct	tccaagcttt	gtgatgagta	tgcttcttca	agacttttga	ttctgctggt	240
	tcttggtttt	aaagttttta	taagttcctc	ttttaagttg	gttcttggtg	acgagctgcc	300
	caaagagaac	taagagcacg	aagtctatga	agatactctc	ctaaagctag	taaacctcga	360
30	gccgattgtc	ttgtcggtta	gatcttctgc	atttgttt			398

<210> 848
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 848

45	ggatcctcta	gagcggccgc	cctttttttt	tttttttttt	tttttggagt	tactagaaaa	60
	tcaatgacgt	ttttgtggta	taaaattaca	cccgcagaaa	annnagggga	aaagaaaaaa	120
	gaaaaaagcc	agacatgcct	ggaagcggga	cttaccctaaa	tcgttgtgac	ataatgggaa	180
	gaaaaacaaa	gcttaacgta	caaaagcggt	gttgatcatgt	aatgaaatca	gcaagtgggt	240
	tatcgacttc	cagagacaaa	aaccaacttc	actacttaga	atcgtgcact	ttctttgagc	300
	accattttcc	ttcaagatcc	tactgtttct	tatttttttg	ctttttgctt	cttcttatcc	360
	aaagatgtta	aaccagcacc	taatcctgca	ggagccag			398

50 <210> 849
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 849

60	atctgatcgg	gatgagtaac	atcgatctga	ttgggatgag	taaccgcgat	ctgatcggga	60
	tgagtaacag	cgagcttctc	accgtcgagc	ctctcgatct	tcaattccct	tttgaattga	120
	agaagcagat	ctcttgctct	ctctatttga	cgaacaagac	cgacaataat	gttgccctta	180
	aggtttaagac	gacgaatccg	aaaaagtatt	gtgttaggcc	taatactgga	gttggtctcc	240

5 cgagggtctac ttgcgaagtt cttgtgacca tgcaagctca aaaggaagct ccttccgata 300
 tgcagtgcga ggacaagttt ctgcttcaag gtgtgatagc tagtcctggt gtcacagcca 360
 aggaagttac tcctgagatg tttagcaaag aggctgga 398

<210> 850
 10 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<400> 850
 15 agtgatgatg caaaaaaacc tatgatgatg tggttcttag ggatgctggt gttttccatg 60
 gtggccgagt caaatgctca actgtcagag aattactacg cctcgacatg tcctagcgta 120
 gagctcatcg ttaagcaggc ggttactaca aaattcaaac aaactgtcac aacggctcct 180
 gcaacgttgc ggatgttctt tcacgactgc ttcgtcgagg gatgtgatgc gtctgtgttt 240
 atagcatctg agaatgaaga cgcagagaaa gacgcagatg acaataaatc tctcgccgga 300
 20 gacggatttg acaccgtgat taaagctaaa accgctgtag aatctcaatg tcccgaggtt 360
 gtgtcatgtg ccgatatact agctctcgcc gctagag 397

<210> 851
 <211> 397
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 851
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 ccgttgacaga tatttggtcc tgtgggggtca tcttttatgt tcttatggca ggatatcttc 180
 catttgatga aatggatcta ccaactttat atagtaagat cgacaaagct gagttctctt 240
 gcccctcata ttttgccctg ggggcaaagt ccttgattaa tagaattttg gatccaaatc 300
 cagaaactcg gattacaatt gcagaaatca ggaaagatga gtggtttcta aaggattaca 360
 35 ctctctgtaca acttatcgat tacgaacatg taaacct 397

<210> 852
 <211> 397
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 852
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 aattgatctc tctttctcac agagtcttct cttctcttcg tcgcgttcca atctttcctc 120
 45 ctccacacac cgttcctgct cttttttgcc gccgggaagc aagtcacggt gtctgccgcc 180
 gttgcgttca atgagtcatg acgacgacac ggcctcaaag gaggtgaagc tatgggggtg 240
 aagggttcga gagagtgtca ctgagaaagt ggagaagttc actgagtcaa tttcattttga 300
 taaggttctc tacaagcagg acattatggg tagcaaagct catgcttcaa tgcttgctca 360
 ccaggggcta ataactgata gcgataaaga tagcatt 397

<210> 853
 <211> 397
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 853
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 cttggagttt tcatggctct tagccagaat caaagaagcg attccttatg attcaagcac 120
 tctctgccgt tctacgccgg cttcatgttc agaggagacc cttaaatcaa ttgcagtttt 180
 60 ggttgaagag caaatcttc caaaggaaaa gatgtggctc tcctctggga tctccacgtt 240

5 tctctgggta tacaccagaa ttatagggtt caatccggct acagtagtca ttaactctga 300
gcttcatac ggggtctggcc tccggttcac agcagcttta tgtgtagctc tcacagctgc 360
tctccttgct tcttctatct cagagaaaac ccgtgggt 397

<210> 854
10 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 854
15 tctgaccgga ttgtatttca ctcgagataa aataattagt gcaaaaaagt tctcaccatc 60
tttctccgctc ttgtcgggtca cgtttttgtc ctctagctca aaaaaatcag ctttctacaa 120
ctccgtaagg tggaagcttg agattatgca gaagaaacga gagatctgtg gttatagaga 180
caaattagac aagaccttat cttctcctga actcactaat cagcagactc tcaaactctc 240
tctcagaaac cagcttgaag agtgtgatga gaatatattg gataaaagaa cagatgatgt 300
20 atccaagtta cttagcaagc ttaggagtggt ttccatgact gatcatcaag tttctaaatt 360
aaccaacgat ggtgattgga aattgaaaca tgatctt 397

<210> 855
25 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 855
30 aatttttttg aaagcttata cgatggaatc ggagacgatg acgccgccga cgacgactaa 60
gacaacaaca acgacgagaa aaccccgaaa gcctcaacgg aaagacacga tttctcgaga 120
aacgccgttc gtttgtcacc ggaagaggag gctcaagcgc gtgggggtta agatgatttg 180
acggaacttg gtcataccct caccgcgtcaa tttcgtgggtc tggctaactt tctcgtccg 240
ttacctgatg gatcttcttc ttcttctctc gatctatcga accatcccag gttaaaccaa 300
tctcgggtctt cagatcctgg attgaatcaa tcgcgttctt cagatcggga cgaatcgtgt 360
35 gttggaagtg atacgccgga gactggaatt aggttta 397

<210> 856
40 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 856
45 ttttttttta ggaaattact tattgtggac caagctctga ctttgaggaa gtctcagtaa 60
caaagacaaa ttaactcaaa aaaaaaactg aaaataaaaa attcaagtat cagacgaccc 120
caaaattttg acagagactg agacagcaag ataagcaaga ttcaaatacca ggatacaaaa 180
ccctcttttg aactagagg ttttagtttc gatggtgcga gctaacctct gaaccaacaa 240
ctatcatcgg atggatcact ttgatcacc aacggtttgt ttttatccca ataccgtaa 300
gtccaggact cacagggttt ctgatgatag agacatacca acactttcaa gaagctcccc 360
ggactgcagc cgctgcagta gcgtacatgt ttgagtc 397

<210> 857
50 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 857
55 acgtcctcaa agaccgaaaa gtctatacca gaaccagatg attgtttaaa cttctgacca 60
agtcctttct cgaaatctag agtgataggt ggagatata cttcctttgt cgctgtgagt 120
ttgcaatctt cggattcttt agcaaagaaa atgacactaa tccttccgga gacggttgca 180
60 tcaaacgtaa aggagacgag aaagcgaccc ggattatccg ggtcgggttc aagcctaaga 240

5 gactccttct tgagattaac gtcgttacga atcgtgacgg ctttctggtg ttcaacgtaa 300
ggagtcgggt gagccatcat gtgaccagca taagggtatc tggccatcgc cacgggagcc 360
caagagtgggt tgtggttaagg atgcggtgga tgatgtt 397

<210> 858
10 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 858
15 ccccgatac agtgccgtta gtggacatgt tgtcaccggt tttggatgca cgggattctt 60
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tgacgaggac gaagcgcgag tcttcaaacc catgggtgac ctcggccaaa tagttcgaat 180
ggagtgggac attcgaaatg aggccagat tgctgaatgt ttgaagcact cggatatcgt 240
ctataacttg gtaggacgtg actatgagac caaaactttt gactacaagt cgtgcacgt 300
20 cgatggtgct gaacggatcg ccaagattgc ggctgaatct ggcgtttctc gcttcgtgca 360
cctgtcgcac ctgaatgcct ccacaaactc gaagtcg 397

<210> 859
<211> 397
25 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
30 <222> (1)...(397)
<223> n = A,T,C or G

<400> 859
35 cttttttttt tttttttttt ttttttgagt gtaaataatt gaatgagaaa agaggagccc 60
aaacatgttg tagcacaac tgcagtacca aatgtagttg gccactgact tatttgattc 120
agcataaaag cataaaccca atctaagtgt agaagaagaa aaaaaaaga gtttggctaa 180
gccctatag ccatttatcc ttcccaccgg atgttgaaag nnnataaata aagccccct 240
aactttgttg aacttctctt ctggctacaa aatagaagt gcgctttctt gacggcattg 300
agatatcaaa tgactcagtc tgatatccta aactccactc ctaaaacgtc tttcaccatc 360
40 tcatatgtca caaatgcaat cgcaatcgat ggtacaa 397

<210> 860
<211> 397
<212> DNA
45 <213> Arabidopsis thaliana

<220>
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<222> (1)...(397)
50 <223> n = A,T,C or G

<400> 860
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taattattga tgaacaacac aaaactcaca acataactca aggaaactaa ttaaagcacc 120
55 aatgtaaaaa tatatanntn ncgagaaagg caaaacaaaa acaaagcata aagtggattt 180
gggatagatg aggaatagaa gcttaggtca tggaaacaa ggtgaggatg gtgctaagat 240
tcatgggatg catgtattca ggagagccat tgaggatttg ttgagctatg attctacttg 300
ctttttctga tgggtgaaaa ggatcccaaa aggcaaagag atctctgttt gggcaaagat 360
60 ttgataatgg agtgcatagc cctatcccat tgtacgg 397

5 <210> 861
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

15 <400> 861
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 taaaaaacct acataccaag tcttatacta agttactaga taacatcaaa acaagttcat 120
 gagagagacc gttaaaactt tcagaaactc ctactttctt gttgaacata aacttttctt 180
 tagccttctt aaaattctca aagtctccag ctttagtaga cacatcttta ctcaagatct 240
 20 nnnttcttag tttgtcacia gcacaatact tcacgtcgtc cacatctacg tctttaaagg 300
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 actgaaataa aatttaattg aaaaagagat tacaaga 397

<210> 862
 25 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 30 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 862
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 ccagtttgag attctttcat tgaccagttt taaactgcac catagttcta gtttctaacc 120
 atatgcacia gggactaata aagatcggat cgatatgatt tgacctaaat accccttgaa 180
 cccgggacat cgatccactc gagctgtagc tcaacctctc cactctccac gtgctggagt 240
 ctaaggaaca tattctggac aatcttgctt tggttcaaca caatgtggct tgattcnnc 300
 40 aaacaatttt ttctgctcgg ctctatcttc tttattatgg tcccattagg aagtcctggg 360
 ccgagctgat gggcaaattt aatagcttca ataaatg 397

<210> 863
 <211> 397
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 863
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 50 ctttctttgt atagaacaaa actaagatca tcagtctatt gctatagttg tctttgtcta 120
 ttgctattct tttctctgta gttttctaag gactctatta aaacaagcaa actaaacgtg 180
 aacaaaagca aaccagagta ttaaggtagt gaattatatg atcggacaag gcggagtctc 240
 ccagacatca aacacattct cctcgctatg caatgcaaaa aggcggtcgc caccaatgga 300
 gaaatcacag attgagccac catagcttct tcttagccta gaagttaaga cccagtctgg 360
 55 tccacagaac acagagatag aatcattcat tgatgag 397

<210> 864
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 60 <213> Arabidopsis thaliana

5
 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

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 gaaagacttc aactttaatc catcttttcg tgatcccttc accggcgcaa atgcttatgt 180
 15 ncctgnnnaa gcatctcgta cagctgcaac tccggcaaaa cctttataca agcacattcc 240
 aaaaagaggt gtgctagttt tcatgctgc tcaatatgac gggattctga aaangatgac 300
 agagttcaat actactttac gatctgacgc agtaaacaat gacaagtccc tgaccgaact 360
 cgaagtatcc agagtaggcg caatcgtaa tatactg 397

20
 <210> 865
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

25
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 ctttgaagaa gagactcagt aaacttcagc agcaaagtgt gtagtgggaa gtctctgtcg 180
 cttctcaatg taagccatag gaaaccaacc agctttgcct ttgcattctc cttcagccca 240
 30 accggttttg ctcacctttc ggacaacgat gtaatctcct ttgtccaagt ctaactcttt 300
 ctctgaagca gcggaaaatg gatgaatcac ttcagcaaga aagtatgacg ttttctctga 360
 gccgttctct gttggaatcg caggaggagc agattct 397

35
 <210> 866
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

40
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 gtaaatgggt agtttcggtt tgggtgtagc agaagctaag tttgtcaagt taataagagt 180
 attttagttt ttttttgtt aaatcgattt gtgggttcat catcctacga tcgaaagttt 240
 ccatctttga taatttgaga ttctggggat ttttactaga atttctagtt ttttttttgg 300
 45 tttgttgatt tcgtagctag aagaaatcga tctaggtgtg tatatatata tctattcaat 360
 cgaatttttag tgaatcgatt ggcatcttg gtgagag 397

50
 <210> 867
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

55
 <220>
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 <222> (1)...(397)
 <223> n = A,T,C or G

60
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 cttctccgat tggatcaatga caaaggtttt tgaaagtcca aaaaaaaaaa aagacataaa 120

5 ccagtcagac caaaacnng aggaagagaa acaaacccta gagacgattc tctccgcaac 180
 tgttaaaaat ttcagttgca gagagattaa tataagacac tgaaattgaa agacaaactc 240
 ctaaaagaaa agtcttctc tttgctttgt ttaagattcg gacaatttgc taatcgcatc 300
 ccaatcaatc tccacagaag gaaacttctc cagcccgaag ctccaatct catcaaacc 360
 agaatccgaa agtccaaga acgtagtaat accagat 397

10 <210> 868
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 868
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 tatagacatt taattcaatc ttaaagagga accatcatca cacgcatagc cacagaaata 180
 20 ctccctcaag atgctaattc cagactatat aaaccagcat tgtgtgacac agtatccgcg 240
 aaacaaaaac actgaatttc attcatgaat gtaacctacc tgcgatggct gcaacctgaa 300
 cctccatttg tgccgccctg actttagaac ccgtggctcg gtggaagaac tgttctctcg 360
 acaacaacct cacattcctc aaatactgat caaaggg 397

25 <210> 869
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 869
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 aaaatgggaa gagcaccgtg ttgtgataag gccaacgtga agaaagggcc ttggtctcct 120
 gaggaagacg ccaaactcaa agattacatc gagaatagtg gcacaggagg caactggatt 180
 gctttgcttc agaaaattgg tttaaggaga tgtgggaaga gttgcaggct aagggtggctc 240
 35 aactatttga gaccaaactc caaacatggg ggcttctccg aggaagaaga caacatcatt 300
 tgtaacctct atgttactat tggtagcagg tggctctataa ttgctgcaca attgccggga 360
 agaaccgaca acgatatcaa aaactattgg aacacga 397

<210> 870
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

45 <400> 870
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 tagctgttgt tcaagagaaa agtcagtgcc gcaaactcgg cttaaggttg tgacagataa 180
 ctcacacacc ngtctctcct ctgaagttct tgctagtgcg aggttaattc ctcaaacagc 240
 aaagctaggt gcacagggtg tgccctcatg ccggtccttt tcttttgaag atttaaagga 300
 55 agccacagac gattttgatt catcacgttt cttnnmtgaa ggctcccttg gaaagctata 360
 cagaggaaca ctggaaaaatg gaagttccat agctatc 397

<210> 871
 <211> 397
 <212> DNA

60

5 <213> Arabidopsis thaliana

<400> 871

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10	atgcggaaaa	ggcagagctt	gatgcttacc	gagaaatgca	tttccaacg	ttggcaaatac	180
	taacaaagac	gaaaaaaatg	ccatctccag	acgatctgag	gacagaagga	ctttgtcctt	240
	tatcacctga	agaagccgtg	cttatgcttg	cgggtctggg	ttttagtcgg	aagacacgtg	300
	ttttcgtcgc	tggtgcgaat	atatatggtg	ggaataaacg	gtagcagct	ttaacgagtc	360
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15

<210> 872

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 872

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	gatcaaacc	aattcaataa	ccaaatgaac	caaattctcat	acttataatt	gatatatatg	180
25	tcaagcaaaa	aagcgggtag	gaagatcaat	gtgcgctaac	gaggaaaggg	ttttggcaaa	240
	ctccgcactc	aatggtctct	gacctgaga	ctggaacctg	gacctgtaag	tgcacagtgc	300
	atgttgagca	agctacttct	ttcatccgcc	tcccagatcc	ttccctcaaa	ccagacgaag	360
	acttgcggtt	tctctccatt	tctctctgta	actttc			396

30

<210> 873

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<400> 873

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	atggctaaat	atatacgtgt	aataattaaa	ggatggccaa	aattgagaag	aagaacaatg	180
	aaagtggat	agagagagaa	taagcagcag	aagtcgtcga	cgtgtttggt	ctttgagatg	240
40	gtatgtttgt	cgctctggg	tcaaacgaag	aagctggcgg	ttagccgag	gaggaggaac	300
	ggttcgatgg	aagcgtccga	gccgatgtct	caccggtgta	acaatcagat	tctttccacc	360
	ccagaatcag	tttctcacga	tcaaagacaa	tgcgat			396

<210> 874

45

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<400> 874

50	tttttttttcg	aacacaacaa	catcgtaata	ctacatttca	agctagttaa	attatgataa	60
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	acttgcttaa	gcgttcgtta	caagacgcaa	accaacgaaa	cagatcactt	ccaaaaacta	180
	ctaagtcgtt	acaaacaaca	atttgactc	cagaatccgg	tttcataggc	taaccggtat	240
	ccactataca	aataacacac	tctgtacgag	catagaaccg	gattcgtttc	tttcatatac	300
55	ggttcccaag	aattcacatg	gcaaagaacc	atcctctagt	tagccgctat	gtcacctacg	360
	acttcccggg	ccgtttacgt	ttgttcttgg	tgagag			396

<210> 875

<211> 396

60

<212> DNA

5 <213> Arabidopsis thaliana

<400> 875

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	ccccatataa	actttccatc	atagagggca	acatgagaga	tgatagcgca	aagagaaccg	120
10	aagctgagtc	catagagcaa	cgcgaacatc	acactcaaat	agagcttgct	gtaaccgttg	180
	taagcgtcta	gattgatatc	gaaattcttc	tcattgagga	tacgggtaat	gttatagggtg	240
	tgtccagtct	gatcaaaggt	gtgtgaagta	tagaatggaa	acttctgagc	atcataagca	300
	ttagtccagt	agaagatagg	tagaacaatg	tataaaaaga	tgaagaatcc	tccaaagaaa	360
	ttggcaatgg	cgaagaatgg	tacctcggcc	gcgacc			396

15

<210> 876

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 876

	cgcgccagaa	tcgagcggcc	gcccgggcag	gtacagtttc	ttcctgtctt	ctcttgtgag	60
	ctcagtgcca	atgctgttga	tagtgatatt	cactgctctc	ctgtcggctt	caaaggccaa	120
	aaggctcagac	ataatctctg	ctgttgcgcc	accaagtttc	tgacagaagt	tgtaaaaatc	180
25	ctcaaggtat	gctttgtaga	gggtattcct	cataatctct	atgttcatgt	catcgagatc	240
	ctctgatgtt	aggcattcag	aaaagtatgg	agccagagga	gtgtccacaa	gcaccaacct	300
	atagagttcc	cgcagtgttct	gagcaacagc	tagtgtagca	atactgtcaa	acatgcctaa	360
	aggggtgacac	ttctcgatca	actcttgaac	atctct			396

30

<210> 877

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

40

<400> 877

	tcttcacctt	caagaatcct	ctgttttgc	cttgcccttat	ccgctgcttc	tctctccctc	60
	tctttcgctt	cttcccacga	ttactccatc	gttgatact	cccccgagga	tttggaatct	120
	catgacaaac	tcatagaact	cttcgaaaac	tggatctcaa	attttgagaa	agcttatgaa	180
	accgttgaag	agaagtttct	taggttcgaa	gttttcaagg	ataatctaaa	gcacatcgat	240
45	gagactaaca	agaaagggaa	aagctactgg	ctcgggctca	acgagtttgc	ggattttgagc	300
	catgnnnagt	tcaagaaaat	gtatttaggg	ctcaagactg	atatagtgag	acgcgatgaa	360
	gaaagatctt	acgcagagtt	cgcttacagg	gacgtc			396

50

<210> 878

<211> 396

<212> DNA

<213> Arabidopsis thaliana

55

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 878

5 aatacagagg cggttgcaagg catcaccata atgggagatg ggaagctaga attggaaggg 60
 tgtttggttaa taaatatcta tatcttggaa catacggtat ttcattccat tatecttact 120
 ttatagtaaat atttttatga aatgtgtaaa ttcatacttt agtacaatcc agttccttagc 180
 aaatccaaat cttgaaattt gggattagta taaaatggga gttattctct gttctcctgt 240
 taagtgggac tctagtagac gatgacatgg tatcatatct tatactacac atataaaata 300
 10 gaaatgatat taaaaatggg agggacaaca gnnggtcacg ttatgcatga atgtagtcaa 360
 acgaacaact ctttaagttt tttttttctt gacaac 396

<210> 879

<211> 396

15 <212> DNA

<213> Arabidopsis thaliana

<400> 879

ggcgattggc cgctcgccggc aaacgtgggt gcttgtgccc gcgtttgtcg tagctggagg 60
 20 attctcacca aggagattgt agctgttcct gaattctcct ctaaattgac tttccctatc 120
 tccctcaagc agtctgggtc aagagattct ctagtccaat gctttataaa acgtaatcga 180
 aatactcaat cgtatcatct ctatctcgga ttaactacct ctttgacgga taacgggaag 240
 tttcttcttg ctgcttctaa gctgaagcgc gcaacttgca ctgattacat catctctttg 300
 cgttcagacg atatctcaaa gagaagcaac gcgtatcttg ggagaatgag atcgaacttc 360
 25 cttggaacaa aattcacggt ctttgatggt agtcag 396

<210> 880

<211> 396

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(396)

35 <223> n = A,T,C or G

<400> 880

agacatttga tcttgatgac tttgagcttc cagacaatga gatctttcag ggtaattacg 60
 ttgatcatca tgtagtaca aaagagcaga tcacccttca ggataccatg gatggcggtg 120
 40 tatactcaac gtcacaattt ggattagatg agcgatttgg tgatggcgac acttctcaag 180
 ctgcttttga tcttgatgag gcagtattcc aggacaagga tgttatttga tccgacgatg 240
 agggagttcc aggtattgat cacaatgcgt atctggatgc gnnagcaccg gggataaagg 300
 attcgatgga aggagtctct gaagccatgc ccatggattt taatgaagag cagggttgaag 360
 atcttgctat gaataatgag ttcacgaag atgctc 396

45

<210> 881

<211> 396

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

55

<400> 881

ccgaggatca ccaggaagct gaggggaattg atagttttatt gtgtttgcaa gattaagtcc 60
 ctccaaccag gtctcctcag ttgggggtgcc tatgacactg cagattttgt agatttcatc 120
 tgcttcacta gccccaggaa aaatggggcg aagagacaac aactcagcca taatagctcc 180
 60 catcgcccac atatcaactt tcgatgtgta tacatatgac tgtagaagta cttcaggagc 240

5 cctgtaccag cgtgtagaaa catactcggg aaaaggtgga ctccaattaa cctcacgtgc 300
cannncaaaa tcagcaatct taatgatgtc tttagagact aacagatttt ctggcttaag 360
atcgcgggtgg aagtacctgc ccgggcggcc gctcga 396

<210> 882
10 <211> 396
<212> DNA
<213> Arabidopsis thaliana

<400> 882
15 tcgagcggcc gcccgggcag gtacaagcca cactttttaag ttcttctaca tatattagat 60
ggtggtgagg atgagactag gaaagattgt ggaagacttg aagtcgaaga taaagactgg 120
tctaaggatg cggaagagat catcattatc atcaccatca tattcatctt catcatcatc 180
atcatcatca tcatcatcgt atgagaagat agagaagagt gagagtatga gatttgagtt 240
gagaagcaga aaggctcaca aaattatcca agaaaccctt caaattgctg actctccac 300
20 ttcaagaact tatgctttct gatttcatct ttttaacatc caaacatat tcatacatac 360
acatacataa ggatttacgt gtacctcggc cgcgac 396

<210> 883
<211> 396
25 <212> DNA
<213> Arabidopsis thaliana

<400> 883
30 gacagagagc aaaacccagt tccgacacac ttatacatca atgaccacaca tgtcgggaagc 60
agagcatttt tcatgtgaac taaagaaaga aggtagtttag taacaactct gatgacataa 120
gagagacaca cccgaaattt caatccactc cttttctctt ttcgtgaagc tgactacgta 180
acttgtagta gtgcatgctt agctattctt tgaaagggtta aaatcttctt ctccgggttt 240
tactaatcgg attttattcc tccgttatgc ttgttgctct tcttcgacga ctccctgatc 300
tgctcaagaa gcttcttttg gaatctgtaa cccttgtcag ttccataaat gtaatcacag 360
35 tacgtgaaca ctgaagcgaa gttgctttga ctttgt 396

<210> 884
<211> 396
<212> DNA
40 <213> Arabidopsis thaliana

<400> 884
cctctagagc ggccgccctt tttttttttt tttttttttt tttttgagaa aatattattc 60
tctaaatcat tgaggagatg agtttgaata caaacctaga aaggtagaga gcattgtaca 120
45 aagctatcaa gtcaacaaat aacaacttag aagaagttga ccaaaaaaca aaaaaaaaca 180
aaaaaaacaa caacttagaa gaacagccac actcatcgtc tctcatattc agactttaat 240
catgtggcct ctttttcagg atctgatctg tgaacgggat ctctgatata tcgtccctt 300
gagatgatgc ttcttgatg ctctctggtt gtgtaaagat ccggtgacag gcactggagg 360
taggttgatg actcggcctt gcacgaaatt ccgggg 396

<210> 885
<211> 396
<212> DNA
50 <213> Arabidopsis thaliana

<400> 885
acgtcgcagt cacgcgtacg taagcttgga tcctctagag cggccgccct tttttttttt 60
tttttttttt ttttttttaa gaaagaaaag gtgtctctat cggattaaac catctcaaat 120
gttcataaac ttctcattgg atcataattg taccactaca acaacctcgg tgtctgacac 180
60 tgtgagctcc aacaacagtc ttaaaacata gacatatccg gaggagctcc atacatactc 240

5 <210> 889
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 889
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 ttgccaatca tcttcctcct caactgcttc ttcaactaag caagtggaag tttctgggtc 120
 ttctcctcga gtttctgttg aaccacggac tcaatcatct tgtgcagggt tcatgcctct 180
 tctcgaagac ccgaatttcc ctgatctgtt accccacaac accagactgt ggagtcctcc 240
 15 tcatcatcag tttcagggtga ataagaagca gccattggag gatgagggtta acaatcaagg 300
 tgtatctgag aagaagtctg aattgggagc tggagagaaa caaggaaagt cttttaattc 360
 cgaaagcttt caagagttta tagagttgat ggagac 396

<210> 890
 20 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<400> 890
 25 cactctaggt ctgactctca gatcctcctc ctctctttct ctccattca cctgcaactc 60
 ccgcttctgc tctcctcctc ctctcttctc gtcctttaga ctctacaaac gattccattt 120
 ccttaaacca tgctcttccc taaagcaaac caagaagaag aagcaacagt ctctcccatc 180
 taccgctccg cctcctcaga gtctccgggtg gttcttcaat tctaaatcca ctaatgatga 240
 aaacgacgaa gatgatgtta agtctgagag cgatgatgat ggcggtcgg aaggtgatgc 300
 30 tgctattaag ggtactatct tagccggagt tttgttgatt ggtacagttg gtggattcgc 360
 cggcgttggga tatgtctaca gggatcagat caatac 396

<210> 891
 <211> 396
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 891
 40 atggattcca atttctctcg ccattggttct tctcctgaag gtgatttttg tttcgctttc 60
 aatgacagta acttctccga tcgtttgctc cggatcgaga tcttgggttg gccttcggat 120
 tctaggtctg atgctgaagg atgtacgagt attgccgatt gggctcgtca tcgcaagagg 180
 agaagagagg acaacaagaa ggacaatggt gttgcgattt cagacattgt ggcatgtgct 240
 gaagaacaga ttttaaccga taacaaccaa cctgatatgg atgatgctcc tgggtggtgat 300
 aatcttgacg atgaaggaga ggcaatggtt gaagaggctt tatcagggtga tgatgatgca 360
 45 tctagtgagc caaactgggg tattgattgt tctact 396

<210> 892
 <211> 396
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 892
 cctatctact gcttcttctt cgttttcgtc ttctttatca aggaatgctg ttttaattgga 60
 atcaacaatg gagaatttga cggaaataga atcaacgatg gagagttaa cggaaatgga 120
 55 gagtggagaga gttgaacagg gtaccgataa ggaaattgga agtggagaga aaaggcagga 180
 tgatgtaaag gaaacggaga atgagaattc tggagagaga gtaggagagg aagctcctgt 240
 cagggaacat gaagattctc catgtctcat tgttattgaa gaaggtactt ccctagcttc 300
 ccttgaggag gtgaccaatg ctgatgatct gccgaagatt gatgatgaga agaattccca 360
 60 atttgaacaa agcccgcatc caagtccttc tctctc 396

5 <210> 893
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 893
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 ctccccgaat ttaaagatca gagccgcgac ttctctgccc ttcttttccct cgggaattttt 120
 cagctacggt ttccagggtg tgtgtattgt caatcagttg acctttgctt ttgtagccag 180
 atcggttcgtg ctttgagttt agggctcttt tacaaggttt cgtgttggtg gaatttctct 240
 15 acctagggtt gggggaagag ttcagtaatt tcgttgtaga tcgtgatttg ggcttttagg 300
 gtttcgggtt actggttgct ggaatttatg gtagegttat tgaattcgga ctctctgcat 360
 gtgtaagcgt tgaagtttga agtttcaccg gggttt 396

<210> 894
 20 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<400> 894
 25 ctcttcatta cgctagtgc gattctcact gtggttcatg tacctatatt gacaccgagt 60
 tcagagagag agacagaatg gaatttgaag tagagtcaag tggggatttt cagaccctta 120
 agagcgggtt gtttgacaga tttccagtg agaggagtgt tgtgtctaac ctttccagaa 180
 atgggtggcat gtctatatct gtgcatagca atgaacagtg gattggggat gatgatcttt 240
 cacattcaga cgctgcactc ggtaatgaga catattcaaa tagtctgggt caattgcaag 300
 30 ctaggggaagt gaacattccc aacttcccgg tttctgacac ccagtatcag cttatgtctt 360
 tggatgagcg acttcttctg gaactacaga gcattg 396

<210> 895
 <211> 395
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 895
 40 tttttttttt tttttttttt tttttttttt tttttattcc aatttggttag tttttattca 60
 atccatttgt ttctttttcc atttcggaag gctcaatgat ttccagtaac aatgaaacca 120
 aaaaaaaaaa aatggaaaac agagcaagca agaaacagag tatataaggg ggattcaact 180
 gaattaagct tcccaaccac gcaactgggt ggctcgagcg actcgggtta ctccaagagt 240
 gaaagctccc atacggaggt tgcaagaatg agtatggcac attgtcttga tgttgtgaaa 300
 ggctcgagtc atgtattttt gcagctccaa gttcactttt tcctcttccc acatgaatcc 360
 45 ttgaatgttc tgcaccact cgaagtaact cactg 395

<210> 896
 <211> 395
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 896
 tttttttttt ttttttaacc aattggagta tttgatttag atttacagtt tcatttttatg 60
 ctacaaataa aaaagggtta tggaagaact aaatgaatcc aacatgacat ttttacagcg 120
 55 acattcacia agaaagctct tctagattgc tgtcctcttg agaacaattc tggagagctc 180
 ttgagagact agcttcatat ccggtctctc tgggtgctgg gagatacagc tcagagcaac 240
 ctgcaagaca tcagtaagaa ccccaaaggg attccttgag ccctgtgatc caacaatcga 300
 tggatcaaaa cactcagttg cacggttttg tcccacaagc agtagaacc attcagtgag 360
 60 ttcaacgaca cctggatcac tgcacactat atctc 395

5 <210> 897
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

15 <400> 897
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 acgtaacata tcgggtgatg gacaaaaaac atagaggtag gacaaacaat gtggatgtta 120
 tatannncga tactgcatgg tatcggaag atcatcttat acaaattaca gaccctaaat 180
 ctctgctccg agtctgagcc acaccgacca gaaccgagca aaacagtgga catgacatgc 240
 20 cggatcact tggaccaagc aacagcatcg atctcgatt gggctgctcg atacaattct 300
 agcngctttg agatggcact gcgtctctcc atgattgctg gatcttcgtt caatagcgac 360
 gagagcctct tcatatccat ggtaccgagc tccgc 395

<210> 898
 25 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<400> 898
 30 cttttttttt tttttttttt gagaaagtat gaatgtagcg agagtgcacat aagacttggga 60
 tgggacaagg agtcgggaga aaagttaaaa gttttgaact ttcgatccca agtatcataa 120
 tggttctaag tgtgagaact ttcgtgctt tcatgcaact cagtaatcga atccaagaat 180
 tgagcattcc atttccacct tgatatggga catgcatgat cagcgagctc tctagatgtc 240
 cagcatgatt gtttataacc tgagtaatca atgtagcaac tggattcgaa ccatcaggcg 300
 35 tgttggttga attgataatc ttcttccgca tgtccaagac gagatgagac atttgactcc 360
 acacatgttc ccatcgcttc gacacaacac tcgtc 395

<210> 899
 <211> 395
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 899
 45 tcgagcggcc gcccgggcag gtaccacgat ctgtgtatac atctgggaag tcctcttctg 60
 cagctgggtt gactgcaact gtggcaaaag aaccggaaac tggatgaattc tgcatgaggg 120
 ctggtgcttt aatgcttgct gacaatggaa tatgttgcac tgacgagttt gacaagatgg 180
 atatcaaaga tcaggttgct attcatgaag caatggagca gcagacgata agcattacaa 240
 aagctggtat acaagcaacc ttgaatgcta ggacatcaat tcttgcagca gctaattcctg 300
 ttggtgggag atatgataaa tctaaaccac ttaagtataa cgtaattctt ccacctgcca 360
 50 ttctttcgag gtttgatctt gtgtacctcg gccgc 395

<210> 900
 <211> 395
 <212> DNA
 55 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(395)
 60 <223> n = A,T,C or G

5

<400> 900

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tcgaatggtc	aaaatggcan	gtcttttggg	tcgatgagag	ggtttggtga	tggaagatc	120
cagacagtaa	ctacaaactc	gccatggagg	gttttctctc	taaggttccg	attccggata	180
10	agaacatcta	cgcaatcgac	aagcacttgg	cggctgatgg	taacgccgag	240
cgctctacga	ggagtgtcta	aagaatctgg	tgaaagaaaa	gattatccca	atatcgaaaa	300
agacagggta	tcctgagttt	gatctacaac	ttctagggat	gggtcctgat	ggccacatgg	360
cgtctctctt	cccaaaccat	ccacagataa	atgag			395

15

<210> 901
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

20

<400> 901

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gatatctggt	tggtcggaga	tgagatgat	cggaggagac	gatacagata	cagagatgta	120
cggagctcta	gtgacggcac	agtccttaag	gttgctcat	cttcaccact	gcagagagaa	180
ccagtgtacc	tctgttctcg	tcaaatatcat	tcaagctcct	gttcattctt	tttggtcact	240
25	gggtcggaga	tttgatcagc	cgcagaaata	caaaccattt	ataagcagat	300
tggtgatcct	gagatcggtt	gtctcagaga	agtaaagtgc	aaatctggtc	ttccagcaac	360
caccagtacc	tcggccgcga	ccggcgcgcc	ggatc			395

<210> 902
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

30

<400> 902

aacggatact	tcaaacaaga	taaaaaagg	tacaaaagga	gatgtcacag	cactaaagcc	60
cactataatg	acagctgttc	cagccattct	tgatcgtgtc	agggatgggt	tcgcgaaaaa	120
ggttgatgca	aagggcggat	tgtcaaagaa	attgtttgac	tttgcatatg	ctcggcgatt	180
atctgcaatc	aatggaagtt	ggtttggagc	ctggggattg	gaaaagcttt	tgtgggatgt	240
gcttgtgttc	aggaaaatcc	gtgcagtttt	gggaggtcaa	atccgctatt	tgctctctgg	300
40	tggtgcacct	ctttctgggt	acactcagag	attcattaac	atctgcgttg	360
cggtcaggga	tatgggctca	cagagacttg	tgctg			395

<210> 903
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45

<400> 903

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50	agcatcaatg	gagataaggg	tacttctttt	accaaactatg	atagacaaaac	120
actgttagag	gaaagaccat	cacagaagaa	gaaaggaaaa	gacgccacgg	aatcattgtc	180
gagctgcttc	gtgggtttat	actcgatcaa	atcagtgaac	aaggcacgat	gggatgttat	240
tataggtgta	gtggctctga	tagcaatgtt	gttttatcta	gaataagagg	cttatggaag	300
tagcgaaaaa	cagtgtccta	gctatgtttg	tatcatcttt	tctcggacat	tgacaaggat	360
55	tatatgatgt	ttttgtgtaa	aaaaaaaaaa	aaaaa		395

<210> 904
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60

5
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

10
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 tggttggaag tgatgtgagg aggaggacca agacagtcgt ggctgtgagt caacacgatg 180
 15 tttggtgttg catcacatcg ttcaaagact ccgagaaccg tcaagtgacc ctgtgttggt 240
 ccttagtact tttgcttcca ttctgttaat aatgatcttt aaatgcaata gaaacaattt 300
 catatgtata tttcaagtct aaacgttctt ccgtgaaacc ttgtgtttct atgcgagaac 360
 ttaacattgt cgatattgtt atgttatttc atagt 395

20
 <210> 905
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

30
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 caaggggacg gatgcagtgg aaattctgga agggagatct tttaaaactta aatatccgtg 180
 ggttggtgtc gtcaaccgtt cccaagcaga tattaacaag aatgtcgaca tgattgcggc 240
 35 tcggaaaaga gagagggagt acttttccaa tactactgag tataggcacc ttgctaataa 300
 aatgggttcc gagcatnnng caaagatgct ctccaagcat ctagaacgtg tgatcaagtc 360
 gagaattcct ggcattcagt cacttattaa caaaa 395

40
 <210> 906
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 906
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 caatgtgaag accgcaacag atctttttaa acttgatctt gccgatgtca accataggaa 120
 tccgagggga tatacgggtc ttcatgttgc tgcgatgcgg aaggagccac aattgatact 180
 atctctattg gaaaaagggt caagtgcac agaaagcaact ttggaaggta gaaccgcact 240
 catgatcgca aaacaagcca ctatggcggg tgaatgtaat aatatcccg agcaatgcaa 300
 50 gcattctctc aaaggccgac tatgtgtaga aatactagag caagaagaca aacgagaacc 360
 aattcctaga gatgttcttc cctcttttgc agtgg 395

55
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 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60
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 aaaaaaccca aactatagtc taatagtggg agggaaaatc caggcatagc ttatatggta 120

5 catcccaaag accaaaccag atttccaact tccatgtcaa agaaaccaac aaggagaaac 180
aaaggaaact gtttaacttg atgatattag ttcttcgagt attcggacga atgaatcgga 240
gaataccctt ctggcagttg ctgctgcgac tgtgctgggt gcgatgggtg ctgagcttca 300
acctttctctt ttgttttctg tccaacctct ccagctgctt gagccactct attgaatgct 360
cctgcggccc agctcacacc agttaacacg taacg 395

10 <210> 908
<211> 395
<212> DNA
<213> Arabidopsis thaliana

15 <400> 908
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tagaaagaaa gactaaaata gaacgagaga gataaaatga gtctctatcc ccctcaagta 120
aaaatcagtc atctcaccca caagcatcca aaagataata acgtagggca gatgcagaga 180
20 caaaacacac aaatttgctc tcaagagttt catctttctt cattctctcg aaacttttca 240
cctgaagtag atagagacga gaggaatctc gacgtcattg tcattcttcat cctcacaagc 300
caccactaca tcaagatggg tgcgataagg cggtaactcg actttcgcaa catcccgagc 360
gagatccaca accttcttgt ccatcctctc ctgtg 395

25 <210> 909
<211> 395
<212> DNA
<213> Arabidopsis thaliana

30 <400> 909
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tggtttgcaa gaattagtgt cagtaccagc aatagcaaca ttgcagattg tcgaacatgc 120
atacatatat gtataatata tatagcctat acaaaacaaa tttcaagaag tacaatctaa 180
gaagaaacat atagtatgag aatatagaaa tcacaaaaaac aaaaaacaaa aaaaggtagc 240
35 acaacgaact gaatgaagat attctcagag atcttgggaa gcacagagcg cagtcgataa 300
cgccgggaag aaatgttcca gacttattta ccgcagttga atccccaca aattgagagg 360
atgatgatga gaatcaaggc aatgataatt gcaag 395

<210> 910
40 <211> 395
<212> DNA
<213> Arabidopsis thaliana

<220>
45 <221> misc_feature
<222> (1) ... (395)
<223> n = A,T,C or G

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tttatttttc tgaatagctt aagagaaatt tgatcttcgt cttcgtcact acgtccccag 120
ctctcgagct ttgttcactc gatttctctc atacatttcc ttaaaaccca aaattcttaa 180
gcctaatacca aaggagaaaa aaacagagca tttttcttct tctccaattt aaacagtttc 240
ctaataatct cactttgtct actcgattct cccaactcca atttgactca tcggaatcat 300
55 gccattatca atgaatctc cgacnaatcc nncaccattg ttccgttgca tctccgtcat 360
gtaactctc acttccgctt taatcatctc ttgca 395

<210> 911
60 <211> 395
<212> DNA

5 <213> Arabidopsis thaliana

<400> 911

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acatacaatg	atgatatact	ataaaggcaa	tggagacagc	atcgcattag	tttgcgagta	120
tcgggttcct	ttcttcatcg	atatctatcg	caaggacacg	gtctgggtct	gagccgcttg	180
gcccttccgc	gtaaagagtt	ggaagatagg	ccttatacgc	cggcaaatac	cgcgacacaa	240
agtcattcac	ctctcatcc	gacatcccag	cttgccatc	ctgcctcatg	gcgatttccg	300
cctgaagacg	ccaccggtat	acataacttg	ggtcctggat	tttgatgacg	acccaagcat	360
cgatgtactt	gtcccatgcg	tcgtaatacg	cttca			395

15

<210> 912

<211> 395

<212> DNA

<213> Arabidopsis thaliana

20

<400> 912

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aatacatcat	cgtaaaaaatc	taaacttgaa	ttaggtaaat	aaaagcttaa	gcacgttctc	180
cacgaattct	tctagccaat	tgaatgtcct	taggcattgat	cgtaaccctc	ttggcgtgaa	240
tagcgcagag	attagtatcc	tcgaaaagtc	caactaggta	tgctcagcc	gcctcttgaa	300
gagctaacac	cgcgtagctc	tgaaacctca	gatccgtctt	gaagtcctga	gctatttccc	360
gaacgagacg	ctggaaggga	agcttgcgga	tcaac			395

30

<210> 913

<211> 395

<212> DNA

<213> Arabidopsis thaliana

35

<400> 913

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gcacaaagaa	aatcaaatcc	tatcctgaga	tccaatecaa	ttccaagcta	ttagtccctc	180
atgatccgag	tgtagaacat	gtcctaatag	catctacgcc	aaaagcgcaa	cttcagaagg	240
gttttgactc	ctctgctttc	actatttcgg	tcctaagcct	aaaacggaca	tactaatccg	300
actgatactc	aaccggatca	accgggctga	gacaaaaatt	tcttgaagtc	gagggtttat	360
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45

<210> 914

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<220>

50

<221> misc_feature

<222> (1) ... (395)

<223> n = A,T,C or G

<400> 914

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atatatttgt	ttgtgtatgt	ttgcctagga	atgatgactg	gtgcttccat	cttcttgatg	180
gttgtgatga	tgatctccgt	cacggttttg	ctggttggtg	ttatggttcc	cgtctccgc	240
caccggtcgg	taagcagcat	tcaacgccgc	taaaactcca	taatggctat	gttctccacn	300

5 nnnncctcct cctcctccat aaccagaagc caaaggctgt ccagaaaaca aagcaatagg 360
agctgcaaaa ttcatacaat gaactccact accgc 395

<210> 915
<211> 395
10 <212> DNA
<213> Arabidopsis thaliana

<400> 915
15 ttttaacttgt aaatcatatc aatataacca ttaaacaacca ccaccaattht taaatatggg 60
taggcttcag atatactgact ataataatat agagcatatg agcgtatat aataatacaa 120
ggcaaaaaaca aaacatataa gccaaaagga tttacggacc gaagacttht tccccaggc 180
tacttaggta cccgtttctt tgcataacca tttacctgtt tgctgctgta agcgagccag 240
aaaggcgtgt atctttcaag caccggaag tcaccagatg tttgtttgga gccgtgaaca 300
gcatggaacc aagccggtga atttgcaaaa gagtttataa acccgttgca tccaagttht 360
20 gtctttctca cctcagcca ttgtaaggat gtht 395

<210> 916
<211> 395
<212> DNA
25 <213> Arabidopsis thaliana

<400> 916
30 tgcagcggcc gcccgggcag gtatttggtg aagtcacgag aatcaacgat gacggcgacg 60
aacaagcaag tcatattgaa agactacgtg agtggthtcc ctacggaatc cgatttcgat 120
ttcactacca ccaccgtcga acttagggtt ccggaaggta ctaactctgt tctagtgaag 180
aatctctact tgtcatgca tcttacatg agaattcgca tggggaaacc tgatccttc 240
actgctgctc ttgctcaagc ttacactccc ggccagccaa tccaagggtg tggagtgtct 300
agaataatag aatctggaca tccagattac aagaaaggag acttactctg gggatatagt 360
gcatgggagg agtacctcgg ccgcgaccgg cgcgc 395

<210> 917
<211> 395
<212> DNA
35 <213> Arabidopsis thaliana

<400> 917
40 acaagtgcga atttcgaacg gagctacgat tccatggcga ccaacggaga gaaggtcacg 60
gctacgggtg tgaatggcgg agggctatct actggtgaaa accctaagaa aattgtagac 120
ctcaacacta cggagttaga tctactgac gacattctcg acggagaagt caagggattt 180
45 tcagattctg gtgaaaagaa ggaagaaacc gactctaatt gtattggatc gacggctggt 240
gttgattctg gggatatctc tccggctgat gatatccaga agaagattcg acgtgctgag 300
aggthtgggtg tttcggtgaa attgaccgaa gaggagaagc gcaattctcg tgctgagagg 360
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<210> 918
<211> 395
<212> DNA
50 <213> Arabidopsis thaliana

<400> 918
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acaaaagcaa agatgaaatg aaataaaact tggtagctta tataagaatc tcattacaat 120
ttcaagtaat acgaagggtg atgtgaagct tagtactcag tttttggaga aggtgagtat 180
gatgggtgggtg gtggagaact gtagacatat ggtggtggag gagatttgta gtcaacctta 240
60 ggggaagggtg agtagtatgg tgggtggagga gatttgtagt caaccttagg ggaagggtgag 300

5 tagtatggtg gtggtggtga actatagacg tatggtggtg gtggagattt gtaatctacc 360
 ttaggggcag gtgagtagta tggtcggacg cgtgg 395

<210> 919
 <211> 395
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 919
 15 taaaattcag agttttcatt tcacaagcat tttccatcga agacaaacag taacaaaaag 60
 taaaaaaggg taaaacacaa tcaccgtaaa aaaagcaatt actggcaaag ttgttcgacg 120
 gcagtgcag tctgagctgg ctgaacaacc gtccattctt ccaatgtacc ggcgtaagga 180
 gttgggacat cctgagaaga caaacacatc accggagcat ctaagtaatc atgaaagtgc 240
 tcgtttattg cagccgtcaa actggctccg attcctcccg ttctcatata ttctccaca 300
 atcaaaaccc ggtgtgtctt cttcaccgag tttccaattg ttagagatc aaacggcttc 360
 20 aacgacctta tgtcgataac ctctggatca tacc 395

<210> 920
 <211> 395
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 920
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 ttacactcgt agatttcaca acaacacatc ttctattgag aagattcttt ttcaatgtct 180
 ggtataggga agttttacta gcttgttcca tactcaagta attcccacct gaatggctga 240
 aagacatata gcacttcgg gcaactcttg aacaaaagag cgacacaaac gcaaaccgct 300
 gctatcgcta ccatcgaaag cattgctggc ctgtaggcaa cagacttggtg gtgcgttggtg 360
 acaaacacac gtttgtgatc acagagctta cattg 395

<210> 921
 <211> 395
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 921
 45 tttttttttt agagcaaaga tgatttgact aaaataacta aaatcacata acaattaacg 60
 aaaacaactt agagaagaaa aacacatata taaaaccaga atccatgaag agaaagatcc 120
 acaacataac ataccaaagc attaatatat ataaatgcct aagtcaagta aggtgatgca 180
 acggcataaa gaggggaactc gcggtgaacc gaaaaaccgc tggattcagc gacatcagtt 240
 ttgtcttctt tagattcctc cggtagtttc caatcaaacc catgcaactaa gttagccaaa 300
 accacctcat tcaataccac agcgaatgat actgctggac aaatccttct ccctgctcca 360
 aatggaagca gctcaaagtt ttgacctcgg aaatc 395

<210> 922
 <211> 395
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

60 <400> 922

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 gggcaacccc tacatatact gtatctttct tatgacttat gagatcaaat tacagaagaa 120
 aacgtcaatt gctcacacat tgttttatgt ttgctgcctt ttgttttcat gcaacgcaaa 180
 agaagatgtg atcacatctg agcaaccagt tcctctcttc cctgagcagc aacagtcaca 240
 gtagcatctt cgataagtga attctccatc catcgcttca gcattttcaa tgcagcttta 300
 10 ggctgggtcca ttggaacnat gtgtcctgca tctctcannt tgaggaaact gagttgttca 360
 taagtcttta acaagcctgc ttctttgcca tccac 395

<210> 923

<211> 395

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(395)

<223> n = A,T,C or G

<400> 923

25 tttttttttt tttttttttt tttttttttt tttttaatag aaaatttctt ttgaagtcta 60
 taaccaaaaa aaatgataaa ttaaaagaag aaaaaagata agaaaaaaaa aaaaaaaaaa 120
 gagttctaaa cgttacaaaa agtttgagca aacatcatct cgcttcttta actcatttaa 180
 agagaaacga tggattctct ctccctcctc atgatgtctt ttgggacct aaagttttca 240
 ccggtgtgaa acttaccgcg gaccgggttt cctgactgga acattgtcct catcatcaga 300
 ttggatatct ccgtactccc agattccggg cctngatttg cgagcttcgt cttggaactt 360
 30 ctcaagagca tcaagagcgg cttgcttgtc ttttg 395

<210> 924

<211> 395

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(395)

<223> n = A,T,C or G

<400> 924

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 45 taccactttt agagttcttt tagactaaac atagatcaca aacttggtac ggagattgag 180
 attgatatcg gaactgagac atccgttgta aaaccaccgt ctctattccc atttgtattc 240
 cctacaaacc cgtaaacgcc agaccgcac gctgcatttt cccgcctctg aaaaaccoga 300
 gcaagcgann ngctttccgt ctagcccgct ttgtcccggt aaacaaaagc gtctgtagca 360
 accccgcaat cgcaggtgct ctcaacactt tctcc 395

50

<210> 925

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 925

ggccgcgcgg ccgcggataa tacattgaac attcattctt atgagcaaga atttggactt 60
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 agcaataact ggatctcctg gatgatttaa acaagaccaa gcttgttgtg ttacggagca 180
 60 tcacaaaatg gtctattacc actagagctt aagagacctc tataaaccag ttattttctg 240

5	tctcagagag	aggaagaatg	tctaaacagt	atgtgccatg	gcttgtgtca	tccgctttaa	300
	ctccagcgtc	catgaatggt	tttacgttgt	tgggaaaatt	ctgtgttgcg	gatgatgtgt	360
	gagctgctac	gtaacttagc	atataacagc	aaaag			395

<210> 926

10 <211> 395

<212> DNA

<213> Arabidopsis thaliana

<400> 926

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	ttaaacaag	ccaagacgaa	cgggactaaa	cgggagatag	aaaaataact	ttataaacca	120
	gaaatcaata	gaaacacacc	aagggaagaa	gaagggaaag	caagcaagca	ccagaagatt	180
	ctaagtatac	tactaacaag	ctttaaactg	aacacaaacc	ccaaaccgaa	gagaataaaa	240
	acagagtatt	ctacatagtc	ttgcatagtt	acgtttcatc	agccaaaact	tgaaaagaag	300
20	agaagccagt	gaaaacaaaa	gtttgaatct	ctgaacaagg	agcaaccgaa	ataaacagtt	360
	tacctttagt	ttaagaagag	caacatgctc	gtttc			395

<210> 927

<211> 395

25 <212> DNA

<213> Arabidopsis thaliana

<400> 927

30	ggatcctcta	gagcggccgc	cctttttttt	tttttttttg	gcctaagaac	ttttatcaac	60
	ttaagagatt	tggaacattt	ttcaaaatga	tgatgcaata	cacaacaaac	agatgatata	120
	cacacacaaa	tatatatac	ttctctcaca	gttttcaaag	aatggcccac	ccatctttct	180
	cgtttttgaa	atctactcat	cagccacggg	cgggtcgacc	caacgaccat	gttctttgat	240
	cagaccgata	agagcatctg	ttgcctccgt	catagctatc	ccacgcttca	ccaccgtctt	300
	tccgacataa	aggtcgattt	ttccgggaga	accacctaca	tatccgaaat	cagcatctgc	360
35	catttctcct	ggtccattca	caatgcatcc	catga			395

<210> 928

<211> 395

<212> DNA

40 <213> Arabidopsis thaliana

<400> 928

45	ggatcctcta	gagcggccgc	cctttttttt	tttttttttt	attgaatgta	attatagata	60
	ttattcataa	tcagtttgtc	acatacaatc	tcttgacacag	atatatacct	ttaagtaaac	120
	acaaaaaagc	agaacaaaat	cctttttttaa	aaccttcata	gcttcaatcg	aaccgacagt	180
	tttgacttta	ggcataacca	tgtagttttt	taagatcagt	cgctggtgaa	tgccattctt	240
	tgtttctgag	cttccgatgg	gagcttgaca	tcagttgcta	aaccgatggc	ttgaagggaac	300
	ttaacgacgt	accaagtcat	atcaagttgc	caccattcta	agccgtgtcg	agctgagaac	360
50	tcaaaagcat	ggtgattggt	gtgccatcct	tcccc			395

<210> 929

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 929

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	gatggaggag	ccaccactcc	gttcctagga	gtctaaatga	aaggggagaag	agattcaacg	120
	ttttcagaca	caatgtcatg	catgtccaca	ataccaacaa	gaagaaccga	tcctacaaac	180
60	ttaagctcaa	caagtttgca	gatttaacaa	ttaatgagtt	caagaatgca	tacaccggtt	240

5 ccaacatcaa gcacacaga atgttgcaag gaccaaaacg cggctcaaaa cagttcatgt 300
atgatcatga gaatttatcc aaattaccgt cctccgttga ttggagaaag aaagggtgctg 360
tcaactgaaat caagaatcaa ggaaaatgtg gaagt 395

<210> 930
10 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 930
15 tttttttttt tatctaagaa ctagaacagt ttcaccttca tatttcacat agggccaaaa 60
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taacttttagg gtaagctaaa aactaaaaag tctttttatat ataaggcgtt atatgcgtta 180
tattcgcttg cttatctaaa ggtcaatgct tttaatgagc ttcattgttg cgagtctctc 240
gagaaagaca ttgaaaacgt cttcacgact aagcatgctg actcggacat gcttcttgct 300
20 agatccacaa cgctctccag ctctgctcat taccttgtgt ctctcaatt cacttaccag 360
atccgtctct tccttcgtcc ctagccacgc aaac 394

<210> 931
<211> 394
25 <212> DNA
<213> Arabidopsis thaliana

<400> 931
30 tttttttaact gtttaaagt tttaccgaac ttttttccac cccgccaaaa agacggttcg 60
gagacatcat tatattttaca tctttaccct caccaattat ctttaattacg aatctacccc 120
tcaccgggaa aaaaaaaaga acaagaaaaa acaactcaaa cgaccaccgt cctgatacta 180
ctcgggaagt accctccgga gattcgatca ttcagatcat cttcaagctc gatcctaata 240
acagaatctt ccgaagacga aactcgagat ttcacgctat tcaagctcga acccattgct 300
tcctcaagcc attcctctaa gctaattctta cttagccaga tcgcacctgc aattctctcc 360
35 aaagcatcat cttcaatctc caccgttagt ccat 394

<210> 932
<211> 394
<212> DNA
40 <213> Arabidopsis thaliana

<400> 932
45 tttttttttt ttttttttga atgaataaaa gtcttataat tatgatgtgt gtacaactac 60
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agactcggag agttcttcca tgagttcctt ttgctccaaa gcagcacaag cctgcactgc 180
gtcctctaaa gcaccgtcaa gaaatgttgt aagcgcaaaag ttcattctta gcttatgatc 240
agtcactcta ctgtccttat aattgtatgt tcttatcttt tctgaacgag ctccagtcct 300
aacctgagat ttcttttcat tccttatctt ctcttggtgt tcccttactt ttatttcata 360
50 cagttttgct cgcagaagct ggaaagcacg cgcc 394

<210> 933
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<220>
55 <221> misc_feature
<222> (1)... (394)
<223> n = A,T,C or G

60

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atctcaccag ttcgtaatgc ttcaggcaag acagcatatt ttgtgggtgt tcaagtnnna 180
gcaagttgta gaaatactga aattaaagag ctgagaccag agacgagaca actgagtgtt 240
10 gtcggtgcgg ttagagttgc ggtagaagc tcattgatgg tgacatgcta atatacgcca 300
gaaagaaaat gcgtcgactt nnagaagagt ctaaagtga ttggacatac atctttacta 360
tatgtataat catttgacat actacattaa tata 394

<210> 934
15 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 934
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ggctcaggaa ctgatttcag ttgatgcct gtctccagaa tcctgggtgt cagttgggaa 180
ctgttacagt ttgctgaagg atcatgatac tgctctcaaa atgtttcaga gagctatcca 240
actgaatgaa agattcacat atgcacatac cctttgtggc cacgagtttg ccgcattgga 300
25 agaattcgag gatgcagaga gatgctaccg gaaggctctg ggcatagata cgagacacta 360
taatgcatgg tacggtcttg gaatgaccta tctt 394

<210> 935
<211> 394
30 <212> DNA
<213> Arabidopsis thaliana

<400> 935
35 tgatcagttt ctctccattg gtgatcgctc gtcagaaaaa ttgagctcga ttttgtataa 60
attgaagaaa aagaagaaga tcatcaaag cgtgattttt acttttccgt tcaagtgatt 120
gatcaagggg acataagcag ctagagacca caccactcag ttatttctat ctcatagtgc 180
ttgtggatgt tcaagctata agaatgtgct cggtggttct atgaatatat aggaagattg 240
gtgttttgat gggatgggac accaaattgc taaggtttat ggtgttatca attactagta 300
cgtgttatct tccgaacaac caccaccatg gaatctcatc tgggaaatgg agtaggcagt 360
40 tcgagatctg ccaaaaatac aaagaacact tcta 394

<210> 936
<211> 394
<212> DNA
45 <213> Arabidopsis thaliana

<220>
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<222> (1) ... (394)
50 <223> n = A,T,C or G

<400> 936
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gcgagtgggt aggagacgag ggtccttcag atgaggagaa ggctacgatc ccggagcatg 120
55 actttgcat tgtcacattc tctacttct acaatttggt taggctgggt ttgcttgatg 180
atccgggccc tcttctcaca tctagtcagt cagaatcagg gaatggtgag gacagtggca 240
ggaagagaaa gaagtcttct tcggatccag annacaccag tgaatctctg tgtaatcagt 300
atgactcttc tgaggaggtt tcttcaggtc ataattcaaa ctcgtcaaga gatctaatag 360
ctgattatga tgatagtctc atgagcaaaa gagt 394

60

5 <210> 937
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 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <222> (1)...(394)
 <223> n = A,T,C or G

15 <400> 937
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 tacctagagc ctaccatagt aacaatgccg actgaagaag aaatatcaac ttttgaccca 120
 atctgaaacc acgtgtcatc aagaggatat aacctcaaca cgtattagac aagtaatcgg 180
 aagatttccg ataacaactt ttgccgttga gcaccgatca cggtgagaga atcagcgtcg 240
 20 ataacaatcg aattgtgatt cttttggtaa tcatcgaagt taaaccatcg aagctccaat 300
 ataatttaac agcataanna tatccgaata agcgtcggaa aattcttcgt ttcttcaacc 360
 aaggacgcca tctcttaata attcttgtaa ctct 394

<210> 938
 25 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<400> 938
 30 ctactacac tagagacaat tttgatagcc cttttcttca caccaagcct aacccttgaa 60
 tggatggat tgttactgca taatctctca aacctatgaa actgagggat gaaaaaatcg 120
 agcttggttg gtgttttcaa cagagtatcc atcgaattcc cccaaaatcg aagaaaacac 180
 caaaaggata taattcaaaa atcaccggac acgatttcta accagaggga ttgagaaaat 240
 ggaataactaa attgctagag aaaagatgaa cgaagaccac aaaacttacc cagaagcagt 300
 35 agcttcatgg agatggagac aattatcttc ttcccagaaa gagagagaaa gagagaattg 360
 agacctgccc gggcggccgc tcgacgcgcc agaa 394

<210> 939
 <211> 394
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 939
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 45 gtggatcggc tgaagtgtg tatatgagaa gaagtgatgc aattcaagct atgaacatct 120
 cttaaagcaa gacttcgcat cttgtcatgt acttttgtgt tctttattcg tagtctctga 180
 ctaaatatgt gccaaagtct ggtttggttt aattacgttt aggatggctc tactctgctt 240
 tcgttttctt cttttcttgt ttcacacttt cacagtcact tttggttatt gaagttaaaa 300
 gagatttagc tgtaaatgag aaagctgttc ttgttagttg gttgaatcta atcatatacg 360
 50 aatttatctt aaaaaaaaaa aaaaaaaaaa aaaa 394

<210> 940
 <211> 394
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 940
 gcggccgcaa aacttttcaag cttaaaatgg agaggacaac taaaattaca aaaggaaaaa 60
 acaaaaaccc actaaaaaag aagacgaaat agttagaaaag tcccacaact acgaaaaaaa 120
 60 taactgtatt atttgattgc ctataagact catgaatttt atatataata catacagttt 180

5 cactacttgt gccttcaact ctccatagat gtgtaaactc ctgcaaccaa gaagatgaac 240
 atagcagtga gagctggctc aggccttctat attcaagtcc tttagtatcg tgtcatgtgt 300
 tgtaatatgt gaggaccgga tgtctgcgaa accaattgtt ctgaactttg ggaggggtctt 360
 aagagatgat tcggaccatt tgggttcacc atcg 394

10 <210> 941
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1) ... (394)
 <223> n = A,T,C or G

20 <400> 941
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 tagtaaaacg aataaccccc aaagacatga ttctgagaga ctacaaagtt attaattgat 120
 gcaagactta atttcaaaga tcactttggg ctccacgact ggagtaaagt agttaatgcy 180
 gtatgagacg aaccagtttc tgtcaaggct aattcggctg cgttcttcat agccatnntt 240
 25 ctctccctaa cgggacactc cccaattatc tcttggactc gtttctccac ctctgtagag 300
 ctacgaaac cgttctctga ttcatctac gaaatcgcaa tcttgatctc atccacaatc 360
 atcactctat taaacctctg ctacgcgtac aacg 394

<210> 942
 30 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<400> 942
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 tgtacaaaaa ttttatatta gacctacatc catttatcaa ataataact tttcaacatg 120
 acatccatct aaattcaagc taagatcatc tttcgaattt ttcgatcaga tcattgccgt 180
 taagcaaata taaaacaaat caggagcaaa ccttattgtt ctcccttagg tatgcatgtg 240
 cacctcttct gttcttctgt taactcctgg atctgccttt gaagaacttt cacgtattct 300
 40 actgcttctt ctaacatgtc tgcagtgttg gtttgcttgc ccatgttagg tacaagctct 360
 tgtagcttcc ttatccgac actaatccgc gtcc 394

<210> 943
 <211> 394
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 943
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 50 aaaaagaact ttgcacaaat gaatttatca aatcaatagt tacaacaacg aagaaaaatgt 120
 acaatttttc attcttttga ttacatatgt tgcagtcttg gttgtttcat tgggggtgaa 180
 ctatctttgt cctttaacgg tttagggtta tctccatctt ttgttttgtt ccagagagag 240
 ctgatgaatt gggctgcgcc gcttctagag agagtacact cttgtaaaat tcatacgaag 300
 taaagaatat ggctccttgc gacatgtaca tcactagtct ggggatcaag cctctgtata 360
 55 gtcctctcag accttcttgc ctgcgtattg attg 394

<210> 944
 <211> 394
 <212> DNA
 60 <213> Arabidopsis thaliana

5 <400> 944
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ctatgtgatg cagaagttgc tctcatcatc ttctcaaata gaggaaagct gtacgagttt 120
tgcagtagtt cgagcatgct tccgacactg gagaggtacc aaaagtgtaa ctatggagca 180
10 ccagaaccca atgtgccttc aagagaggcc ttagcagttg tacccaattc tcttctcttt 240
cttctaatta ccttaattaa ttactctcaa tttttacttt gattttttaga gtcaaatgat 300
taatgttata atttgcata tacttcagga acttagtagc cagcaggagt atctcaagct 360
taaggagcgt tatgacgctt tacagagaac ccaa 394

15 <210> 945
<211> 394
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

25 <400> 945
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tttatctacn ngaacaaatg tcctaaaagc ctaacatttt tctctgctga attttccgac 120
taagttcctc cgccgacggg atgccgtcgt agccgcttgt tctggcactt tccccgcgc 180
tctgccacca ggcctttaac tcctcctcaa gaaagtcttg gtttgagata aactgagact 240
30 caacaaggca agtcacacct ttaaccttaa ctgaaattaa gcttttctct gaatgtctcc 300
ttgagctttg tcctctnnn tccccatcta tgcgagctac ataataccct gttcctccaa 360
gcccttcttc ccatttcccg agccttaacc gcaa 394

<210> 946
35 <211> 393
<212> DNA
<213> Arabidopsis thaliana

<400> 946
40 aaagtcagga ttttctcaaa gtctaaaaca aagttaccac aaccatttca ccataataat 60
agctaaaaag ttctacattc caaccaaact agagctaaag aattcctttt aaaagaaaag 120
tttaaaagaa caattaagac tctgaaaact ttttaatcct ccaccttctt tgcttagagc 180
tcgtcatggg cggcatcggt ttctcggtt tcttggttt cctcggcctc cttggtttcc 240
tcagactttg attcattgtc tgagtcattt ccttcattgt catcatcttc tgcttcttcc 300
45 tcagcgtcgg attcagcagg agcatccttt gactcctctt cctctctctt cttctcagct 360
tcgtcaaagt ctgctttctc cgcatecttg tgc 393

<210> 947
<211> 393
50 <212> DNA
<213> Arabidopsis thaliana

<400> 947
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55 tcttcaaaat acagaaattc agaagcgaaa attacagttt tggtcagcta tacttttgcta 120
cagaaatgtc aaaggctttt tgatcagtag acttcaacgt tccattgtct tgcttcttcc 180
aactgcttct tgtaatcaaa ccagtcataa ccgtcatttg cagccaatga gaccataatg 240
tcatcaattc ctttctccat tcccttgagt ccacacatgt aaacaaaagt gttgtcttcc 300
ttcaacaact cccataactc agctgcgtat tgcgccatcc gagtctggat atacattttc 360
60 tctcctttat cgttcgcttg ttctctgctt atc 393

5

<210> 948
<211> 393
<212> DNA
<213> Arabidopsis thaliana

10

<400> 948
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acaacaaaaa atttgattaa cagtgaatgg atctgttcag tatcatcttg ccagctctca 120
tggaatttga accaaaagaa actataatta cggaactcag attccgtttg gtcggagagt 180
15 cgcacgcatt ggtttttttt tttcgttatt gtcaggaaaa aaaagagaag tattaagcat 240
gaaagatctg aatcaatctc ttaagctgct gactctttag cgatcttctc tgcctttgca 300
accacctcat cgatacctcc aaccatgtaa aacgattgtt cggaaagatc atcgtacttg 360
ccatccaaca aaccctggaa actgttgata ttt 393

20

<210> 949
<211> 393
<212> DNA
<213> Arabidopsis thaliana

25

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

30

<400> 949
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tgcaagctat gaacaagcat ggcattggagt cgtctacggt cacatggttg aacctagaat 120
gaaaaccctt gaaggaatct tcgaatgcac ggaatcgctt acgcccattgc gaaaagcctt 180
caaaggtacg tttcatantag caggaggata ttctagagaa gacgggaaca aggcggtgga 240
35 agaggggaaga accgatcttg tggcttatgg acggccgctt ttggcgaatc cggatctgac 300
gaggagattc gaactcaatg agccgttgaa taggtacgat agatcaacgt tctacacttc 360
agatcctgta gtgggctata cagactaccc ttt 393

40

<210> 950
<211> 393
<212> DNA
<213> Arabidopsis thaliana

45

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

50

<400> 950
ttatcctccc ttgtccggtt tctatgtggc cttccacatc acctagattc accatcacca 60
caccttatcc acacccacgc gccgcctctt ctttcttaca ggtgaaagct ttccaacgcg 120
gcgactttga ccgtttggct gataacgtta agtcaggtaa agcatggaga gacgcgtgga 180
gaagcgctaa cgatggattc gagcaattcg tttttgaggc taagaaaacc gctgagcgaa 240
ttgatcgcca atacgctgtt tctcgccgct ttagctccgc tgctagctca gccgctgacc 300
55 gtgctcgtga gattgatcgt gagtttggga ttactcctnn ngttaggact gtctctgccg 360
atttcagtag aaatttcctt aagtacagga agc 393

60

<210> 951
<211> 393
<212> DNA

5 <213> Arabidopsis thaliana

<400> 951

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atgtcgccgc	tgaaaccgcc	gccgctctag	ccgccgccgc	cattgtattc	agaaaatctg	120
10 atccttctta	ctccaaagtc	ctcctcaaac	gagccatcag	tgtttttgca	tttgccggaca	180
aatacagagg	aacttatagt	gcaggattaa	aacctgatgt	ttgtccattt	tattgctctt	240
actctgggta	tcaggatgaa	ttgttgtggg	gagctgcttg	gttacaaaaa	gcgacaaaaga	300
atthaaaata	tttgaattac	ataaaaatca	atggacaaat	ccttggagct	gctgaatatg	360
ataacacttt	tggttgggat	aacaagcacg	ctg			393

15

<210> 952

<211> 393

<212> DNA

<213> Arabidopsis thaliana

20

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

25

<400> 952

cgcccgcgctc	gccccaaagcg	acttcctgtg	aacttgaaga	aaagtatcaa	cgcgacaaat	60
ataccgtatg	atgatcacaa	aggattgcag	tttgcttcga	ttcttgaagt	gagagtcagc	120
30 aacgggtggct	ctgtgtcttc	cttaggtggc	aagaaactaa	gtgttgaaaa	ggcagactgg	180
gcggttctgc	ttctggcggc	ttcatctaac	tttgatgggc	catttactat	gcctgttgat	240
tctaagatag	accctgcaaa	ggaatgcgtt	aacagaatca	gctcagtcn	nnaataactcg	300
tactctgata	tttatgctcg	tcatttgggt	gactatcaga	aacttttcaa	ccgggtctct	360
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35

<210> 953

<211> 393

<212> DNA

<213> Arabidopsis thaliana

40

<400> 953

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agacttacaa	aaaaacaaag	taagctcaat	ttttcacaaa	aaaaaatata	attatatatt	120
cttacattac	gaaaagacaa	acgtatgaat	tatttacatt	agattaaagg	aaaaaaaaatg	180
45 aattttaaga	gttggtgtga	ctagaaaaac	ttagtaccgt	tccccacctg	cctcacttct	240
caacggcgaa	ttcactccat	ttctcaacgt	tctccggtga	ttttccggtg	aattcctcgg	300
cgacttggcc	gtgggagatg	gagacttggg	tgtcggagat	ggagacgacc	ggggatgatt	360
actttgttgt	tggtgatgat	gatgatgatg	act			393

50

<210> 954

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<400> 954

55 attgacttga	gcactgtcga	tgtagctat	gtgagtagtc	gttcctggta	cttcttgaac	60
ttggttggat	taagaggctt	gttcagtctc	attctcggag	atgaaaatgc	cattgatgac	120
acacaacgta	tgatgcaaat	gggtgggttt	ggatttgatg	catcaaagag	tctgggtgca	180
gagaaggatg	gtttagacat	aatccagcac	gaatgggcac	tacctcgatt	tgagcagcgc	240
gcagaatctg	tattaagaaa	actcgtgaag	tagagagaaa	cacgataagg	ttttcagtga	300

5 aatctggttt acttcaactcg atgttgaaaa cattcgaact ttgtagaaac ttttacttga 360
aactgagtct taacagtgag ttcttgtgtt tca 393

<210> 955
<211> 393
10 <212> DNA
<213> Arabidopsis thaliana

<400> 955
15 gagcgccgc cggggcaggt accctttgat aagtcaccat ttatttatct ttactacaag 60
attcatcacc aaatcatgta attactaata taaatatgca caaagaactt taacatatca 120
tcaccgtcga tcagatcgat ctatgaattt ttttctcagt aaagatcaag aacgtcaaag 180
atcgaacggt tacaagagg acacgtccca cgattcatcc aaatctctct tgaacaaact 240
ctacaatacg tatgtccaca gggaataaaa gccgcacctt tctctcttcc catacacaca 300
caacacagcg gatcattacc caaccacgtc gtcgtcgaat cacaaccgtc cgattccgca 360
20 agcaacctca tcaacggtac ctcgccgcgc acc 393

<210> 956
<211> 393
<212> DNA
25 <213> Arabidopsis thaliana

<400> 956
30 tttggtctaa aaagtttga gtgctgtata atgattcaaa tttgtacca tatagtaatg 60
tacaatcaat tttggaggtc acactgataa caacgatatg aaagaatgag gaaaaactgt 120
tttcccatga tatctctctt ttgtctacac agcttcccgt gcaagggtcac aaacttgctc 180
tagctgacct aagtcacat gctcctgtat ggtgaatcga tcctacaagc tgtatgtatc 240
ttccaaaaac tcgggttacc tctgtttcct atagtgtaca aagactataa actcgacgca 300
gattcttcta tgtcttgatg cactgtagca ttcttcaatg tatgacatcg gaatcttgac 360
35 tgttttcggg tactgtatca ctgctatctt aag 393

<210> 957
<211> 393
<212> DNA
40 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

45 <400> 957
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ctggaaagac tctttcttac ttactacctg ctattgtcca tgttaatgcc caaccaatgt 120
tagctcatgg tgacggccca atcgtcttgg ttcttgtctc cactcgtgaa ctggctgtgc 180
50 agatacagca agaggcatct aaatttggtt catcctcaaa aattaagacc acttgcattt 240
atggtgggggt tccaaaagg cctcaagtgc gtgatctcca gaaagggtgt gagatcgtta 300
tagctactcc tgggaggtta atagacatga tggagtcgaa caacacaaac ctacgaaggg 360
ttacttatct tgttttggat gaggctgac gaa 393

55 <210> 958
<211> 393
<212> DNA
<213> Arabidopsis thaliana

60 <400> 958

5 atttactctt gcaattttat tatatgaaat gaaaagcata accaaaagga tagattgcat 60
 tggaatcaaa tgaaatcgga acaaacaaac aaaagaacat tttcaaggga aaaaattcca 120
 aataataaat tgattaaagt gacctcttat ataatgcatg caaaatcata atcatcatca 180
 tcataatatg atcatcacga tcagtatttg ggagtggcgg gggcagcctt gggaccagtg 240
 tagtagaaag gtccgacgct aaagagctcc aagttcttgt ccgggtagaa acggtatccg 300
 10 tacaacgcca agggaactcc tgtgagaccc ttgttaacat tggtcgggtt cttgcaagtc 360
 tcgaccggag ataagtagag cttgacacga cag 393

<210> 959
 <211> 393
 15 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 20 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 959
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 gaaaanaaac tcagggcaaa caatctttcc cctttgtaga caaaaangaa aattcgagtt 180
 tgaatctaaa ctatgcttgc tgcagtatcc tatacggggc tatcgaaatt ggcagattgt 240
 caccaggcct ttgcttagcc ttcagtatgc aaattgggtg gttgaattat agaaccacaag 300
 aatttggttg catctgcact gatcttgctg tgcttgatcat ctatatatat tcggcatgtg 360
 30 aacctttggt tctgtctttt caagagatga ttg 393

<210> 960
 <211> 393
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 960
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 40 atctcactcc gttcgtacgc ttcgtctctc taagaagctt cgagatctag cggattttcc 180
 tgatccagat aagatcgatc tcactaaagc tgcacagttc catttcgaga tcttaacaat 240
 gtgtaaagag tatgatctct ttggcattga tgtgattgat gaggaaatca agtttggttac 300
 tgagattgga gagaaattga gatctgaagc tatgaagggt ttggagagag gcatggaagg 360
 gttgaatcaa gctgaagttg ggactgggtt gca 393

45 <210> 961
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

55 <400> 961
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 aagaaggaaa caattctcat gaaccagtca cgtttggtgt aaaccagaat gtggccgatg 180
 60 gtgagtccac acacaacacc aggtacgtag cctattgcag ctgctatcca gctaaatact 240

5 tgatcttctt cttccttggt ttcattctgt tcttgctttg ttgcttcttc ttctccacca 300
cattttttnnn ggagaggagc accgcaaagc cgggattct ctgtgaaaga agaactatct 360
tgggtttgaa tctgagtggg ttctgggtatt gga 393

<210> 962
10 <211> 393
<212> DNA
<213> Arabidopsis thaliana

<400> 962
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actcaaataa caatgtcaac aatattaagg tctaacaaag taatgtttac acagaattac 120
agaacaatca gctgaccata ttaaattctta cttaaataag tttcgaaaaa aaacagtggg 180
aactgctgtg aagtgaagctg tttagtcatt agcactgact catgagacca gcaaaaaaat 240
gttgctctttg agtgaagaga agacctgatt gttgactttc aaagacaaca catgacaatc 300
20 aatctgtttg gtaagctcat ggcgttttagt agttatgtga atatccatcc ctgattttca 360
cagtacagtg tgcagtatct tgtatgatga agc 393

<210> 963
<211> 393
25 <212> DNA
<213> Arabidopsis thaliana

<400> 963
30 cctctagagc ggccgccctt tttttttttt tttttttttt ttatatgaaa actggtttat 60
atgaatccaa aaacataagt caaagtttta cacatatctc tctgttcttc atgttgtaat 120
aaaagggaaa aagaatcatt ccctagtcag acaaattcaa gagcggcaga tacataacaa 180
ctcttgtaat tacaagaaaa ctaaaaagac aaattctttt tgttggttaga agaatcaact 240
ctccaaacat taccagacca tcaaagagta tattaaaatg tacgaagatc taccaatctt 300
tattcaaggc tggatgatga atgattcgga aggcggatca ttgcgtggaa cgtaggttc 360
35 aggagacact accgggatat ccaagctggt tct 393

<210> 964
<211> 393
<212> DNA
40 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(393)
45 <223> n = A,T,C or G

<400> 964
gttgaacag aaccagtttc atctctttgt ttcaagacag gtaatgagaa cattctctat 60
gcttcttgtg gaaacgaaat caagtcttct gatgttcata cgctaagtgc tacttcttgg 120
50 aagccattag agagttacaa ttacaacaaa gatgaagtta accaggtagt atgtaacgga 180
aggctgtctt ttcttgcttc tgcagatgat tccggcgatg ttaagatcat cgacctgggt 240
cagaaatgcc ttataaaaac ctttagagct ggtcacacaa gtgtatcctt acttcgtttt 300
ttttacccat tctcgtctat gaaactctac tagnnnnnaa aaaatgtctc aaatcaacac 360
cttaatgaga catataagat atgtagttct gta 393

55 <210> 965
<211> 392
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 965
ctggcgcgcg agcgggccgccc cgggcaggtg tagcttcact aattccacat actcagagag 60
aaatggcaac cgaaaccgta ttagccacgg cggtagacaa tggcaaaagc aaaggatgtt 120
gcaagtccgg tccagggttac gcgacgcctc tcgccgccat ggccgggtcca cgggaaaagc 180
tcatctatgt cactgccctt tactccggaa cggggcgaga caaacccggac tacttggcaa 240
10 cgggtggatgt ggatccaagc tcaccacat tttcaagcgt cattcacaga ctaaaaaatgc 300
catatatagg agatgagctt caccacactg gttggaactc ttgcagctct tgccatggtg 360
atgcttctgc tgatagacgt taccttgtct ta 392

<210> 966
15 <211> 392
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 966
25 aaagttagta gaatctgatg agttgtgtat atgttggtgg tgttccggct gttgatgacg 60
gaggctccac tgaggaggca acgacggctg caaggactta accagatgaa tccaaaaatgt 120
gtggaagac cgctgaaata gtagatggtc ggtctaattg cgccggctcc accgccagta 180
aggatccgaa agttaaacag gcaaaggctc gggagaactc tcatggaaca ggaatttcaa 240
ctgtgtgaac cggtagnatc catattgtga ggatatacaga aatgaacaat gatgggtctg 300
30 tgaagtcac taaagatgaa atggtgtgga agttgcatgt cccaattacg gaatttgacg 360
cacagcagca aagaatcctt gatttgaagt tc 392

<210> 967
<211> 392
35 <212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 967
45 cacgcgtccg aatatctctc tctctctctc tcgttgagtg tgtccatgaa ataatactct 60
gccagagaca gagagaaaga ctgtaacgga ggatgtggtg gcgaagtggc cacactgaca 120
cactggtttc atgatgggtga accacaacaa tggccagcga cccactgata ttgattctcg 180
tctccgacag acagaacaag ataagctctt gttccatgac tttttaggct ccaagaatcc 240
tacttttagca tccacttcca tggctgacca taggtacca ccggataata aggcgggctaa 300
agcggcgatg actccttcca cggtcctctc ttnntccgcc ggtggactcg gcggtctctc 360
50 ctcaacctcc gatctcgctg aaagacacag cg 392

<210> 968
<211> 392
<212> DNA
55 <213> Arabidopsis thaliana

<400> 968
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atgatgcgaa gtttcgatct caggaagaag aagatcagtc cagttacgat cagaaaaacag 120
60 tatgcgaagc tctcacatgt tacagcaacg attggcaaaa ggcgttgagg tttttcaact 180

5 gggtcgagag agaatccgga ttcagacata ccaccgagac attcaatcgg gtgatcgata 240
 ttctgggagg ctattgatgc gtatgataaa ttggatgatt tcaatttgag agatgaaaca 300
 tcattttata atctggtcga tgcgctttgc gagcataaac atgtggttga agctgaagag 360
 ctttgttttg ggaagaatgt cattggtaat gg 392

10 <210> 969
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 969
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 aaccaaagc caagaaagat gttgctcctg ggaggttgat tgataacctat gctgcacagt 120
 gcgataactg tcacaagtgg aggggtgattg atagccagga ggaatatgaa gatatcagaa 180
 gtaaaatgct cgaggatcct ttttaactgct agaagaaaca gggcatgtct tgtgaagagc 240
 20 ctgctgatat tgactacgat tcttctcggg cttgggtcat tgacaagcct ggtctcccca 300
 aaacgcctaa aggtttcaag agaagcttag ttctcagaaa agattactct aagatggata 360
 cctactactt tactcctacc ggaagaagc tc 392

<210> 970
 25 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<400> 970
 30 tcaaggctga gtacccgatt ttcgacaagg ttgatgttaa cggtgacaaa gctgccccag 60
 tctacaagtt tctgaaatca agcaaaggcg ggctctttgg agacggcatt aagtggaaact 120
 tgcgaaagtt cttgggtgac aaagatggaa atgttgctga tcgtttcgca ccaactacct 180
 cacctctcag cattgagaag gatgtgaaga agttgttggg agttactgct taagcaaggc 240
 aagattgcat aattagacaa ataaaagctc attagtattg tattaccaat actgtgtagt 300
 35 aagctgagtt cgtgagtgtg tgcctttggg accgcgtaca attataatcc gtttttttagc 360
 ggccaaacta tgtaataatc gtagatctaa at 392

<210> 971
 <211> 392
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 971
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 ggcttctctt atgctctcct ccaccgctgt ggttacctcc ccggctcaag ccaccatggt 120
 cgctccattc accggttga agtcatccgc ttctttcccg gtcacccgca aggccaacaa 180
 cgacattact tccatcacia acaacggagg aagagtttagc tgcataaggc tgtggccacc 240
 aatcggaag aagaagtttg agactctatc ttacctccct gaccttagtg acgttgaatt 300
 ggctaaggaa gttgactacc ttctccgcaa caagtggatt ccttggtgtg aattogagtt 360
 50 ggagcacgga tttgtgtacc tcggccgcga cc 392

<210> 972
 <211> 392
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 972
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 acaaagaatt tgctaattgag tacaagattc agggtttccc cactcttaag attttgagaa 120
 60 atggagggaa gtcgggttcaa gattacaacg gacctcgtga agctgagggg attgtcactt 180

5 atttgaagaa gcaaagtggc cctgcttctg ttgaaattaa gtcagctgat tctgccactg 240
 aggttggttg tgaaaagaat gttgttgctg ttggagtgtt ccctaaatta tccggggatg 300
 agtttgattc ttcatggcc cttgctgaga aattgcgtgc tgactatgat ttcgcacaca 360
 ctttggtatgc taagtctctt cctcgtggag ag 392

10 <210> 973
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 973
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 cgatggcgga ggatacgagc ttcgagggag accaactagc ttccatgact actgatgaca 120
 tcggtagagc ttctcgtctc ttagccaacg agattcgcct cctcaaggaa gaatcgcaga 180
 ggacaaacct tgatttgga tcaagtgaagg agaaaataaa ggagaaccag gagaagatta 240
 20 agcttaacaa acagcttcct tacttagttg gcaatatcgt tgagattctt gagatgagtc 300
 cagaggatga tgcagaggaa gatggagcga atatcgatct ggactctcag aggaagggaa 360
 agtgtgtcgt tctaaaaaca tcaactcgtc ag 392

<210> 974
 25 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<400> 974
 30 tcgagcggcc gcccgggcag gtaccagtta ctatacttgc atttgtctct agttgtttct 60
 tgatgaaact tggtaagtat tttggatgat gtgaaagatc agcatccatg atcacgacga 120
 aatcacccgt agcatgcttc aaaccatgaa tatatgcagt tcccaaacca agcttctctg 180
 ctctagctct taaaaggata cggctcttcac catacaattg ctgcagttgc ttgacaattt 240
 cctgtgtgcc atcaggactc ccatcatcca caacaattat ctcaaaatca acgtcccga 300
 35 gatgcttgaa aatcaggtag actatgatag cgatgttgag gcgctcgttg taggtaggaa 360
 tgattatgct atacttgtac ctcgccgcgc ac 392

<210> 975
 <211> 392
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 975
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 45 atgaacgtcc attgacgttt ctgaggtaca acagagaagg agatctgctt ttctcctgag 120
 ccaaggacca cacaccacc ctctggtttg ccgataacgg cgagcgctt ggaacttacc 180
 gtggtcacaa cgggtgctgt tgggtgctgt atgtctcccg agactcgtca agattgatca 240
 ctggtagtgc tgatcagact gcaaagctgt gggatgtaaa atctggaaaa gaattgttca 300
 ctttcaagtt taatgccct acgaggtctg tggatttcgc tgttgagat cgtcttgag 360
 50 tgattaccac tgatcacttc gtggaccgta cc 392

<210> 976
 <211> 392
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 976
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 ggaaacctcc ttcagcttca gaagcttaac ccacaacgct tcttcgctgg atgggcaaaa 120
 60 aaatacggtc caatcttgct atacaggata ggaagcagaa caatggtggt gatattctca 180

5 gctgagctag ctaaagagct tctcaagacg caagatgtca actttgcgga ccggcctcca 240
catcgtggcc atgagttcat atcctacggc aggcgtgaca tggcattaaa ccactacaca 300
ccgtattacc gagagataag gaagatgggg atgaaccact tgttctcacc aacacgtgtg 360
gccaccttta agcttgtagc tcggccgcga cc 392

10 <210> 977
<211> 392
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

20 <400> 977
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ctctgcactg tcttgctaac tgctgcagta catgtgcgtt aaacgagaat ctgtgttgct 120
ataaatccag atacattatc tcggccatta aacgtgaaca accaaaacaaa agcaaagaaa 180
aaagatgggt accaatctaa accagttgct gctagttagc tcctttatga aagagtgaat 240
25 aaaaaaattg gagtccggag gaagaatgca tagaancaac aatgaaaatg gttaattgtc 300
taactaagtt gagaaatatc aacctcatca gnnnncttga aggtatccgc agcaccaaac 360
tttctaaatt cttcgccttc agccactgag tc 392

<210> 978
30 <211> 392
<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

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40 tttttttttt ttctttaacc tttaaattgg caaaatacta tccaaggttc attaagggca 60
tcaacgatga ccaaacacaa actagagtca cagtgaagc aattttcaag aatccggacc 120
aattatcatc ttatcatttt gctttgagtt cttgattttc cttgatatta tcttcttcgt 180
ttgacattgc ttctctgttt tcgtctggac aatgggttac acctgcgtct atctctggtc 240
cctttagaat gatttnnnct cttccgtttc ttagaactcg cattattctc ctctgctatg 300
45 acttcccaa ccaaatcatc ttcgaccatt ttacgaacga gaacatataa tctaggttct 360
gatgaactcg gctctagaaa gatctgtttt tg 392

<210> 979
<211> 392
50 <212> DNA
<213> Arabidopsis thaliana

<400> 979
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55 aactctgatg ctcaggaccg cactggaaag atagtcttta aactacttga taaagatcca 120
agtcagctcc ctgggactct acgatctgag atctataact ggctttcgaa cattccatca 180
gaaatggaga gttatatcag gcctggctgt gttgttctat ctgtttatgt agcaatgtca 240
cctgcagcct gggaacaact tgagcaaaaa ttgctgcaac ggcttggtgt tttgctacaa 300
aattctcctt ctgatttttg gagaaacgca agatttatag ttaacacggg aagacaactc 360
60 gcacacaca aaaatggtaa agttcgatgt ag 392

5
 <210> 980
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

15
 <400> 980
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 tgtaatgggt acaagagaca gtgaaaatac tcttgctcgt gttcaactaa ctgtggatct 120
 taagccaaat ctcccagctg aggagagag aataagaaag tgtcgaggac gagtgtttgc 180
 20 tcttagagat gaacctgaag tttgtagagt ttggctgcca aattgtgact cacctggact 240
 tgctatggca cgtgcttttg gtgacttttg ccttaaagat tttggcctaa tctctgtgcc 300
 tgatgtatct ttccgtcagt taaccgaaaa agatgagttt atagtgttgg ctacagatgg 360
 gatttgggat gttctctcaa atgaagatgt ag 392

25
 <210> 981
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 981
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 gaaggaacat ttcaaaaggc tttctggcaa agagcttcct atcagatccg ttcagattaa 120
 tgaaacaact gatctaaatg agctagttag aaaggaacct tggctctcgt ctgagaagct 180
 ggtggtgaaa cctgacatgt tgtttggaaa gcgtggcaag agtggtttgg ttgccttgaa 240
 35 attagatttt gctgatgttg ccacttttgt taaagaacgt ttgggaaaag aggttagagat 300
 gagtggatgc aaaggaccca taacaacatt catagttaga ccatttgttc cacacaatga 360
 ggagtattat ctcaatgttg tctcgatcgc gc 392

40
 <210> 982
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 982
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 tttttacttc ttcaagttct tgcagtctat tttctcgaca attttctctg aaaatcttta 120
 cgggaaagtt gttctcatca ctggtgcttc ctccggtata ggcgagcaat tggcatatga 180
 gtacgcatgt agagggtcat gtttagccct gaccgcccga aggaagaacc gtctagagga 240
 agtggcagag attgctcgtg aactcggatc tcccaatgtt gttaccgttc atgctgatgt 300
 50 ctccaaacct gatgactgta gacgaatcgt tgatgacacc atcaccatt ttggcagatt 360
 ggatcatctt gtaaataatg ctgggatgac gc 392

55
 <210> 983
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

60
 <220>
 <221> misc_feature
 <222> (1)...(391)

5 <223> n = A,T,C or G

<400> 983

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tacaataatg	cacgaatcga	tatacaaata	tgaaaaaaac	aaattcaaaa	caagaaaact	120
10 tgcaagttac	aacaaataga	accattaata	atacagtact	cacactcaca	acgacaacgt	180
acgtttctcgt	ttattattcg	atccacatat	atagccaaa	gtaaatacta	acaaaaacgac	240
atcgtcccat	tatccgcagc	aattaagagc	tttgtttctt	cttatgggca	cttgccggt	300
ccaccgtggg	tggtgaggct	agcgtnnnnc	tggcacttgt	cgtagtttcc	gtacgtaccc	360
15 ggaggcacac	agttgcacct	gtagcagcaa	g			391

<210> 984

<211> 391

<212> DNA

<213> Arabidopsis thaliana

20

<400> 984

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ttcattaaat	ctctaagaat	tcaaaaagaa	ttcggtaaat	aactttccca	aaaaaacact	120
aatatttgat	gtaagcaaca	gaagaagtgt	tggcatcttt	gataagtgtg	ccaagcagag	180
25 gagcaagcaa	acattttctg	tctttctctt	tgtagaagta	acccaaacac	ttgcaatcac	240
gacgcactt	ggccttgcaa	tcgttcacag	aagttgggcc	ttgtccatca	ttaacataag	300
gccagtaaaa	atgctcaaca	ccgactatct	tataataatt	gacagtttta	cccttgactc	360
cgctgcaaaa	ctgcgtcggt	ataggtgggt	c			391

30 <210> 985

<211> 391

<212> DNA

<213> Arabidopsis thaliana

35 <400> 985

tttttttctt	gtaatgtttc	ctgggtgttat	aacgatgtgt	acaacacttt	tccacaaacc	60
aaaagctaca	aactaagaca	ccagaaagct	taatcagtaa	attggtacaa	gttttttatca	120
aaatcaaate	ttctgaattc	tttagttaa	cgtttcttct	catgtatgct	tttgtttctgt	180
aaaatagtat	cagcagcatt	gtccattgta	taactctggc	tcattgctat	attctgaact	240
40 cgttagcaga	tttacccttt	tccctctctt	ttcttcttct	tcttcttctt	cttctctttc	300
ttcagtggcc	tcagtctcgc	actctttatc	ggaatctgcc	atatggtcga	agaaatcacc	360
aaaataccac	ttacaatctt	ctttccattc	g			391

<210> 986

45 <211> 391

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 986

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tcaatctcaa	accaataagg	attagtagca	aagtagaag	ttttgggtggg	aatcgagag	180
agccgaagga	ttcaagattt	gtcgatgaaa	atggcgtagt	tgatgaaatg	gaagggtttc	240
tagacaatct	ctctctcgaa	tacgactccg	tttgggacac	taaaccctct	tggtgtcage	300

5 catggacgat aatgttaaca ggtttttcaa tagtggcntg tagctgggta atactacatt 360
 cggtcatagt ttctgcgctt gcggttggtg t 391

<210> 987
 <211> 391
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 987
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 ttggtgttgg catattagaa gcagccaata gagaacttta taagccagag gatttggcca 120
 aagaaattac tactcaagca aagcctgtga atagaattgg ttttattggt cttggagcaa 180
 tgggttttgg catggcagca cacctgttga aatcaaattt ttctgtctgt ggttatgacg 240
 tatacaagcc aacacttgtc agatttgaga atgccggggg attggcggca aattccccag 300
 ctgaagtgc gaaagatgta gatgttcttg taattatggt aacaaacgag gtccaggctg 360
 20 aggatgtctt gtatggacat cttggagcgg t 391

<210> 988
 <211> 391
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 988
 30 tcgagcggcc gcccgggcag gtacagattt ctcttgccgg gaaattgcat aagagaaagc 60
 gaatgatcgt tcgaatcttc accacataga gtcttacttc tcattcatct taagacctct 120
 acattgagag gaaacaaagg ctggcttgaa tcctcctcgg gactaataac acttacacaa 180
 ctgatataata atctctgcaa ttttgtctga ggcgtatcgg tgcggtgaa tgctgcagag 240
 tttttcatca ggcacttcga gaggattatt aaagggtgaa agattattgt atatagatag 300
 acctctttgt ttcttcagga ttctgatttc gcacaggca tgaaaacctt cattctctgt 360
 gactgtgcat catcaaacat gagtttctat t 391

<210> 989
 <211> 391
 <212> DNA
 40 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1) ... (391)
 <223> n = A,T,C or G

45 <400> 989
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 gtctgatgac aattggcaat ggacggattc acccccaga gtcgatggtt gggatagtga 180
 50 tcttgccgat gttgatctct atgataggga tgacgtagat tgggatggac aatattccag 240
 tgggaggaaa agaagatcag gtcgggattt tgtaatgagt gtcgattcct ttgccaggag 300
 acacaggaaa ccnngnatgg agacacaaga agatataaat caaagaatgc gttcagttga 360
 gttggctgtc aaagaagctc tctctgcacg a 391

<210> 990
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 990

5	cgattttctta	cgcgctcttt	ttgtggcgac	tgttgatatac	gcgcgagcct	tcattggacac	60
	gaaggcgggt	ggagtttcta	aggatacggc	ggcgctcgatg	gaagcgtcga	cgggtgtttcc	120
	tgggttttaa	ttctcgccga	cggatgtgga	gttgatttcg	tattacctga	agcggaagat	180
	ggatggcctt	gagaggtccg	ttgaggttat	accggacctt	gagattttaca	atttcgagcc	240
	ttgggattta	cccataagt	cgattgtgaa	atctgatagc	gagtggttct	tcttctgtgc	300
10	gcgtgggaaa	aagtatccac	atggttcaca	gaacaggaga	gcaacgaaga	tgggatactg	360
	gaaagcaact	gggaaagagc	gtgatgtgaa	g			391

<210> 991

<211> 391

15 <212> DNA

<213> Arabidopsis thaliana

<400> 991

20	tttttttttt	tttttttaac	aacagaagat	gatcagattc	tagttttcac	aaagatgatg	60
	tttttttttg	tttcgtttaa	aacaagaccc	acttcatttg	gtcctgtctt	cagaaagtta	120
	aaaggacaca	aagagatgtc	tatcgaatca	tacatagaaa	ttaaggcaga	tttttttctt	180
	cataaagaga	taatttagta	ggtgggattt	tccatttagc	ccatggcata	cttctgagtc	240
	cagcttcgtg	cagtggactc	gtacttgttc	ttgtcagctc	tgtacatgtg	agctatctcg	300
	ggcaccaaag	gatcatccgg	gtttggatcg	gttaacaaag	aacagatcga	tagcagcacc	360
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<211> 391

<212> DNA

30 <213> Arabidopsis thaliana

<400> 992

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	agaaagaagt	caggatcttc	agagggctct	tcacaacttc	gacccaagtc	ttcgacctat	180
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	aaggccggtt	gttgagcaaa	tgatgggtca	tcgtgatgga	gtctcatgta	tggcgaagaa	300
	cccaaattac	ctcaaaggaa	tcttctctgc	ttctatggat	ggagatattc	gcctttggga	360
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45 <400> 993

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	tattatggaa	cttgattaaa	agagtaattt	aagggaaagc	aacattagaa	tttgagatg	180
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	ccttccatga	ccacaggctc	ttcaagcaaa	ggcacatctt	ccttaaactg	gggaccatgt	300
	atatattcct	tcacaccagg	catatagtag	accagatcaa	gctcccctat	cacaaacttt	360
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55 <210> 994

<211> 391

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<213> Arabidopsis thaliana

60 <400> 994

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 ccatggctaa ttctcttgcc ctctgtatcc ccttgctctt cccaagatac tctaaagcaa 300
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15 <212> DNA

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45

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 ccttcaactc cccctgcact gaagaatgca gatcaatata agcagccaac catgagttct 180
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